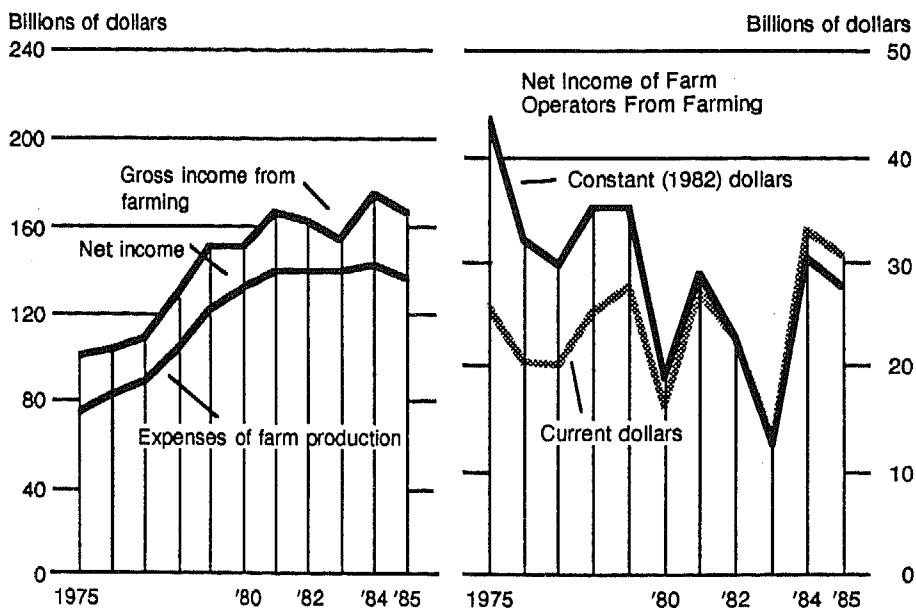
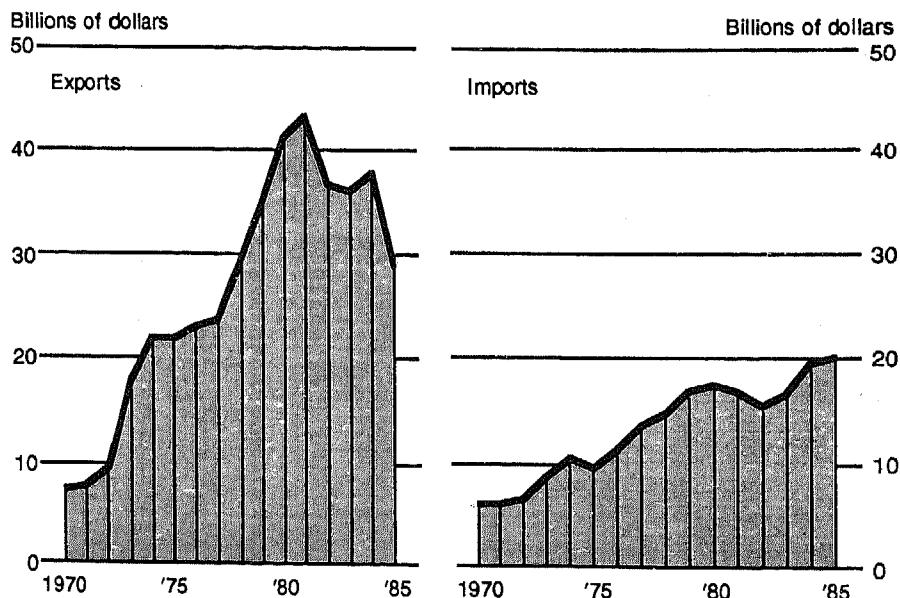


Figure 23.1

Farm Income and Expenses: 1975 to 1985

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1118.

Figure 23.2

Agricultural Exports and Imports: 1970 to 1985

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1139.

Agriculture

This section presents statistics on farms and farm population; land use and irrigation; farm cooperatives; farm income, expenditures, and debt; farm output, productivity, and marketings; foreign trade in agricultural products; specific crops; and livestock, poultry, and their products.

The principal sources of these data are the reports issued by the U.S. Bureau of the Census and by the National Agricultural Statistics Service (NASS) (formerly, the Statistical Reporting Service) and the Economic Research Service (ERS) of the U.S. Department of Agriculture. The Bureau of the Census has taken a census of agriculture every 10 years from 1840 to 1920 and every 5 years from 1925 through 1974. Two 4-year censuses, taken for 1978 and 1982, adjusted the data reference year to coincide with the economic censuses for 1982. The 1982 Census of Agriculture is the most recent census for which reports are presently available. The Department of Agriculture publishes annually *Agricultural Statistics*, a general reference book on agricultural production, supplies, consumption, facilities, costs, and returns. The Economic Research Service publishes a series of annual reports, *Economic Indicators of the Farm Sector*. This series comprises five reports: *National Financial Summary*, *State Financial Summary*, *Production and Efficiency Statistics*, *Costs of Production*, and *Farm Sector Review*. Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade of the United States*, published by the ERS, and the reports of the Bureau of the Census, particularly *U.S. General Imports, Schedule A, Commodity by Country*, and *U.S. Exports, Schedule B, Commodity by Country*.

Agricultural statistics have been issued by the Department of Agriculture for over 100 years. The 44 field offices of the NASS collect data on crops, livestock and products, agricultural prices, farm employment, and other related subjects mainly through sample surveys. Information is obtained on some 75 crops and 50 livestock items as well as scores of items pertaining to agricultural production and marketing. State estimates and supporting information are sent to the Agricultural Statistics Board of NASS which reviews the estimates and issues reports containing State and national data. Among these reports are two annual summaries, *Crop Production* and *Crop Values*.

Farms and farmland.—Over time, the Bureau of the Census has used varying definitions of a farm. Data shown from the census of agriculture reflect the changes in definition since figures are presented for "farms" as defined during the years indicated. For the Census of Agriculture for 1974, 1978, and 1982, a farm was defined as any place from which \$1,000 or more of agricultural products were sold, or would have been sold during the census year. Control may have been exercised through ownership or management, or through a lease, rental, or cropping arrangement. In the case of landowners who had one or more tenants, or renters, the land operated by each was counted as a separate farm. The effect of the change in definition must be considered when comparing farms in the 1974, 1978, and 1982 censuses with those in previous censuses. In the 1969 census, as well as the 1959 and 1964 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least \$250, and places of 10 or more acres if such sales amounted to at least \$50.

Unless otherwise stated in the specific tables of this section, the definition of a farm applicable to data originated by the Department of Agriculture is the one used by the Bureau of the Census for the agriculture census immediately preceding the year or years for which the data are shown.

Farmland refers to all land under the control of a farm operator, including land not actually under cultivation or not used for pasture or grazing. Rent-free land was included as part of the farm only if the operator had sole use of it. Land used for pasture or grazing on a per head basis that was neither owned nor leased by a farm operator is not included except for grazing lands controlled by grazing associations leased on a per acre basis.

State totals for 1982 are not directly comparable with totals for 1978 or earlier censuses because of changes in the procedures of collecting data. For details, see 1982 census reports. Coverage estimates for 1982 indicate about 9.1 percent of all farms were not included in census totals. Coverage evaluation studies for the 1978 census indicated that 3.4 percent of all farms were not included in the census. Farms undercounted in the census were usually small and accounted for approximately 2 percent of the total value of agricultural products sold and approximately 2 percent

of the land in farms. For more explanation about data comparability, see Appendixes A and C, 1982 *Census of Agriculture*, volume I reports and *Coverage Evaluation, Volume 2, Part 2*.

Farm population.—Farm population consists of all persons living on farms in rural areas. Data prior to 1960 are based on self-identification by respondents as to whether they live on a farm, and are not based on any criterion for the definition of a farm. Except as noted, farm population data shown for 1960 to 1977 are based on the definition of a farm used for the 1969 Census of Agriculture. Farm population data for 1978 to 1983 are shown on the bases of both the 1969 and 1974 census farm definitions and are so indicated. Beginning 1984, farm population data are based only on the 1974 census farm definition.

Irrigation.—Irrigated land is defined by the Bureau of the Census as the acreage in farms to which water is artificially applied during the census year. In addition to collecting information on irrigation from individual farms in the census of agriculture, the Bureau of the Census collects data on the operation of irrigation water supply organizations at 10-year intervals. In 1978, irrigation information was collected from both individual farms and irrigation organizations.

Farm Income.—Gross farm income comprises cash receipts from farm marketings of crops and livestock, Federal government payments made directly to farmers for farm-related activities, rental value of farm homes, value of farm products consumed in farm homes, and other farm-related income such as machine hire and custom work. Farm marketings represent agricultural products sold by farmers multiplied by prices received per unit of production at the local market.

Information on prices received for farm products is generally obtained by the NASS Agricultural Statistics Board from surveys of firms (such as grain elevators, packers, and processors) purchasing agricultural commodities directly from producers. In some cases, the price information is obtained directly from the producers. Season average prices received by farmers are calculated by weighting monthly prices by monthly sales during the crop marketing season, beginning with the first month in which a particular crop harvest begins.

Crops.—Estimates of crop acreage and production by the NASS are based on current sample survey data obtained from individual reporters and objective yield counts, reports of carlot shipments, market records, personal field observations by field statisticians, and reports from other sources. Cotton acreage and production are based on sample survey data and on ginning information gathered by the Bureau of the Census.

Price supports.—Under law, farm income from many commodities is supported through two basic Government-supported mechanisms available to producers of eligible commodities: (1) a *market price support* (loan rate) through which producers may place any portion of their production in approved storage and receive a loan at a specified rate. The farmer may repay the loan with interest and retain the commodity or, at the end of the loan period, forfeit the commodity as full payment of the loan; (2) a *farm income support* (target price) whose payments vary inversely with the market price of the specified commodity. "Deficiency payments" are made when market prices for a specified period are below the target prices. The payment rate is the difference between the target price and market price, or between the target price and loan rate, whichever is smaller.

Livestock.—Annual inventory numbers of livestock and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers and ranchers obtained by probability survey sampling methods.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau and Department of Agriculture data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Food and Fiber Sector—Farm Population

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No. 1092. FOOD AND FIBER SECTOR OF DOMESTIC ECONOMY—EMPLOYMENT AND VALUE ADDED: 1975 TO 1985

[Employment in millions and value added in billions of dollars, except as indicated]

SECTOR	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
EMPLOYMENT										
Food and fiber sector, total	20.1	20.7	20.9	21.5	21.6	21.4	21.4	21.1	21.3	21.4
Percent of domestic economy ¹	21.4	20.9	20.5	20.5	20.2	19.7	19.4	19.0	18.7	18.5
Farm sector	2.8	3.0	3.0	2.8	2.6	2.5	2.3	2.6	2.7	2.5
Nonfarm sector	17.3	17.7	18.0	18.7	19.0	18.9	19.1	18.6	18.6	18.9
Food processing	1.5	1.6	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.6
Manufacturing	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.2	3.0	3.0
Transportation, trade, and retailing	5.7	5.9	6.0	6.3	6.4	6.5	6.6	6.4	6.5	6.6
Eating establishments	3.1	3.2	3.4	3.5	3.6	3.5	3.5	3.5	3.6	3.6
Other	3.7	3.8	3.9	4.1	4.1	4.1	4.2	4.0	4.0	4.1
VALUE ADDED ²										
Food and fiber sector, total	325.7	385.1	415.0	465.4	499.8	562.3	611.8	603.1	660.2	700.8
Percent of domestic economy	20.4	19.3	18.4	18.6	18.3	18.4	19.3	17.7	17.5	17.5
Farm sector	43.3	44.7	49.0	58.4	55.1	67.3	75.1	49.8	65.6	71.6
Nonfarm sector	282.4	340.3	366.0	406.0	444.8	495.0	536.7	553.3	594.3	629.1
Food processing	38.7	46.7	46.6	49.7	56.0	61.7	70.0	70.4	74.8	83.0
Manufacturing	57.0	66.2	70.6	77.1	83.0	93.1	97.7	98.2	101.7	103.3
Transportation, trade, and retailing	96.8	116.3	127.0	142.7	157.5	175.6	188.2	196.9	209.9	220.4
Eating establishments	25.7	30.9	34.8	38.9	42.0	44.8	48.1	52.0	55.3	58.3
Other	64.2	80.1	86.9	97.6	106.3	120.0	132.7	135.8	152.6	164.2

¹ Based on civilian labor force. ² Value added equals profits, rent, interest, wages, indirect business taxes, and depreciation.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Farm Sector Review*, annual.

No. 1093. FARM POPULATION, 1959 TO 1985, AND FARM EMPLOYMENT, BY TYPE, 1960 TO 1985

[In thousands, except percent. For definition of farm population, see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series C 76 and K 1-2 and K 174-176]

YEAR	FARM POPULATION ¹		YEAR	FARM POPULATION ¹		YEAR	FARM EMPLOYMENT ³		
	Total	Percent of total population ²		Total	Percent of total population ²		Total	Family members ⁴	Hired workers ⁵
1959	16,592	9.4	1969 DEFINITION—Con.			1960	7,057	5,172	1,885
1969 DEFINITION			1976	8,253	3.8	1965	5,610	4,128	1,482
1960	15,635	8.7	1977	7,806	3.6	1970	4,523	3,348	1,175
1961	14,803	8.1	1978	8,005	3.7	1971	4,436	3,275	1,161
1962	14,313	7.7	1979	7,241	3.3	1972	4,373	3,228	1,146
1963	13,387	7.1	1981	7,014	3.1	1973	4,387	3,169	1,168
1964	12,954	6.8	1982	6,880	3.0	1974	4,389	3,075	1,314
1965	12,363	6.4	1983	7,029	3.0	1975	4,342	3,025	1,317
1966	11,595	5.9	1974 DEFINITION			1976	4,374	2,997	1,377
1967	10,875	5.5				1977	4,170	2,863	1,307
1968	10,454	5.3	1978	6,501	3.0	1978	3,957	2,699	1,268
1969	10,307	5.1	1979	6,241	2.8	1979	3,774	2,501	1,273
1970	9,712	4.8	1980	6,051	2.7	1980	3,705	2,402	1,303
1971	9,425	4.6	1981	5,850	2.6	1981	3,330	2,236	1,094
1972	9,610	4.6	1982	5,628	2.4	1982	4,043	2,494	1,549
1973	9,472	4.5	1983	5,787	2.5	1983	3,749	2,271	1,478
1974	9,284	4.4	1984	5,754	2.4	1984	3,405	2,175	1,290
1975	8,864	4.2	1985	5,355	2.2	1985	3,115	2,017	1,098

¹ As of April 1, for 1959; April-centered five-quarter averages for 1960 to 1983; annual average for 1984 and 1985. 1959 excludes Hawaii. ² Includes Armed Forces abroad. ³ Prior to 1974, averages of monthly estimates of employed during last full calendar week ending at least one day before end of month; 1974-1980 annual quarterly averages; 1981, average based on employment data from Jan. and April quarterly surveys; 1982-1983 based on July survey; 1984, average from July and Oct. surveys; 1985, average from April, July and Oct. surveys. ⁴ Includes farm operators doing 1 or more hours of farm work and unpaid family members doing 15 or more hours of farm work during survey week. ⁵ Includes all persons doing 1 or more hours of farm work for pay during survey week. Members of operators' families doing any farm work for cash wages are counted as hired workers.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Farm Population Estimates, 1910-70* and National Agricultural Statistics Service, *Farm Labor*, periodic. Population data also published by U.S. Bureau of the Census in *Current Population Reports*, series P-27, No. 59, and earlier reports.

Agriculture

NO. 1094. FARM POPULATION, BY CHARACTERISTICS: 1960 TO 1985

[1960, as of April; 1970 and 1980, April-centered five-quarter averages; 1985, annual averages. For definition of farm population, see text, section 23]

CHARACTERISTIC	FARM POPULATION (1,000)							PERCENT DISTRIBUTION			
	1969 definition			1974 definition			1969 definition		1974 definition		
	1960	1970	1980	1980	1985			1960	1970	1980	1985
					Total	Male	Female				
Total	15,669	9,712	7,241	6,051	5,355	2,786	2,570	100.0	100.0	100.0	100.0
White	13,092	8,775	6,828	5,714	5,195	2,703	2,492	83.6	90.4	94.4	97.0
Black and other races	2,577	938	413	337	160	83	78	16.4	9.7	5.6	.30
Under 14 years	4,995	2,490	1,391	1,146	1,100	1,571	1,529	31.9	25.6	18.9	10.5
14 years and over	10,674	7,222	5,851	4,905	4,255	2,215	2,040	68.1	74.4	81.1	27.5
14-19 years	1,888	1,316	926	790	456	244	213	11.9	13.6	13.1	8.5
20-24 years	783	502	502	444	381	215	166	4.9	5.2	7.3	7.1
25-34 years	1,461	770	735	606	640	340	301	9.3	7.9	10.0	12.0
35-44 years	1,803	1,061	862	712	687	352	336	11.5	10.9	11.8	12.8
45-64 years	3,453	2,452	1,892	1,607	1,342	693	649	22.0	25.2	26.6	25.1
65 years and over	1,326	1,122	934	746	747	371	376	8.5	11.6	12.3	13.9
In labor force ⁴	6,266	4,293	3,682	3,139	2,853	1,814	1,038	58.7	59.4	64.0	67.1
Employed, agriculture	4,025	2,333	1,722	1,642	1,363	1,077	286	37.7	32.3	33.6	32.0
Percent of labor force	64.2	54.3	48.8	52.3	47.8	59.4	27.6	(x)	(x)	(x)	(x)
Self-employed	2,405	1,411	1,083	1,034	896	762	134	22.5	19.5	21.1	21.1
Wage and salary workers	782	395	344	326	318	263	55	7.3	5.5	6.6	7.5
Unpaid family workers	838	526	295	282	149	52	97	7.9	7.3	5.7	3.5
Employed, nonagriculture	2,064	1,878	1,853	1,415	1,402	604	708	19.3	26.0	28.8	32.9
Self-employed	(NA)	159	210	161	159	100	59	(NA)	2.2	3.3	3.7
Wage and salary workers	(NA)	1,698	1,624	1,239	1,237	593	643	(NA)	23.5	25.3	28.1
Unpaid family workers	(NA)	21	19	16	7	1	6	(NA)	.3	.3	.2
Unemployed	177	82	106	82	88	44	44	1.7	1.1	1.7	2.1
Not in labor force ¹	4,408	2,929	2,169	1,766	1,402	400	1,002	41.3	40.6	36.0	32.9

NA Not available. X Not applicable. ¹ Persons under 15 years old. ² Persons 15 years old and over. ³ Persons 15-19 years old. ⁴ Percent distribution by labor force status based on total population, 14 years old and over through 1980, and 15 years old and over in 1985.

NO. 1095. CHARACTERISTICS OF FARM AND NONFARM FAMILIES: 1970 TO 1984

[As of March, 1970 based on 1969 census farm definition, 1980 and 1984 based on 1974 definition; see text, section 23, 1970, 1980 and 1984 data are based on population controls from 1960, 1970, and 1980 censuses respectively; see text, section 1. Based on Current Population Survey, see text, section 1, and Appendix III]

CHARACTERISTIC	1970			1980			1984		
	Total	Farm	Nonfarm	Total	Farm	Nonfarm	Total	Farm	Nonfarm
Total families (1,000)	51,237	2,457	48,781	58,426	1,666	56,760	61,997	1,558	60,439
Persons per family	3.62	3.77	3.61	3.28	3.35	3.27	3.24	3.38	3.24
With own children under 18 (1,000)	28,665	1,169	27,496	30,517	745	29,772	31,046	705	30,340
Mean number of own children	2.33	2.61	2.32	1.89	2.00	1.89	1.85	2.08	1.85
Percent with: 1 or 2 children	63.6	57.2	63.9	77.0	71.5	77.2	79.3	73.3	79.5
3 or 4 children	28.5	29.3	28.5	20.4	24.8	20.3	18.9	23.3	18.8
5 or more children	7.8	13.5	7.6	2.5	3.5	2.5	1.8	3.5	1.7
Percent distribution:									
Married couple	86.7	90.5	86.5	82.5	92.3	82.2	80.8	91.7	80.5
Male householder, no wife present	2.4	4.2	2.3	2.9	3.4	2.9	3.3	2.8	3.3
Female householder, no husband present	10.9	5.3	11.2	14.8	4.4	14.9	15.9	5.5	16.2
2-person families	34.5	37.0	34.3	39.2	42.7	39.1	40.1	40.1	40.1
3-to-5 person families	52.7	46.4	53.1	53.7	47.1	53.9	54.1	50.9	54.2
6-or-more person families	12.9	16.6	12.6	7.1	10.3	7.0	5.8	9.0	5.7

NO. 1096. MONEY INCOME OF FARM AND NONFARM FAMILIES, BY RACE: 1975 TO 1983

[Number of families as of March 1984, 1975 data are based on population controls from 1970 census; 1980 and 1983 data are based on population controls from 1980 census; 1975 based on 1969 census farm definition, later data based on 1974 census farm definition. See headnote, table 731. For definition of median, see Guide to Tabular Presentation]

RACE	MEDIAN FAMILY INCOME (CONSTANT 1983 DOLLARS)			Number of families, 1984 (1,000)	PERCENT FAMILIES WITH 1983 INCOME OF—				
	1975	1980	1983		Under \$10,000	\$10,000– \$14,999	\$15,000– \$19,999	\$20,000– \$24,999	\$25,000 or more
All families	\$25,385	\$25,419	\$24,580	61,997	16.0	11.6	11.8	11.5	49.1
Farm	20,076	19,049	18,925	1,558	23.2	16.3	13.5	12.0	35.0
Nonfarm	25,599	25,573	24,751	60,439	15.8	11.5	11.8	11.5	49.5
White	26,411	26,483	25,757	53,934	13.3	11.3	11.9	11.8	51.8
Farm	20,803	19,438	19,148	1,525	22.6	16.1	13.6	12.1	35.5
Nonfarm	26,639	26,672	25,952	52,409	13.0	11.1	11.8	11.7	52.3
Black	16,249	15,325	14,508	6,675	36.6	14.7	11.8	9.7	27.2
Farm	9,149	(e)	(e)	24	(e)	(e)	(e)	(e)	(e)
Nonfarm	16,422	15,356	14,540	6,651	36.6	14.7	11.6	9.7	27.2

B Base less than 75,000.

Source of tables 1094-1098: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 218; series P-27, No. 59 and earlier reports; and unpublished data.

Number and Acreage of Farms

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NO. 1097. FARMS—NUMBER AND ACREAGE: 1959 TO 1986

(Based on census year definition indicated; for definition of farms and farmland, see text, section 23. Data for census years (indicated by italics) have been adjusted for underenumeration and are used as reference points along with data from acreage and live-stock surveys in estimating data for other years. Minus sign (–) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7)

YEAR	FARMS		LAND IN FARMS		YEAR	FARMS		LAND IN FARMS	
	Number (1,000)	Annual change ¹ (1,000)	Total (mil. acres)	Average per farm (acres)		Number (1,000)	Annual change ¹ (1,000)	Total (mil. acres)	Average per farm (acres)
1969 DEFINITION									
1959	4,105	-139	1,183	288	1975	2,521	(x)	1,059	420
1960	3,983	-142	1,176	297	1976	2,497	-24	1,064	422
1961	3,457	-127	1,146	332	1977	2,456	-41	1,048	427
1965	3,356	-101	1,140	340	1978	2,436	-20	1,045	429
1969	3,000	-89	1,08	369	1979	2,432	-4	1,042	428
1970	2,949	-51	1,102	374	1980	2,433	1	1,039	427
1971	2,902	-47	1,097	378	1981	2,434	1	1,034	425
1972	2,860	-42	1,092	382	1982	2,401	-33	1,029	428
1973	2,823	-37	1,088	385	1983	2,370	-31	1,024	432
1974	2,795	-28	1,084	388	1984	2,328	-42	1,019	438
1975	2,767	-28	1,081	391	1985	2,275	-53	1,014	446
1976	2,738	-29	1,078	394	1986, prel..	2,214	-61	1,007	455
1977	2,706	-32	1,075	397					
1978	2,672	-34	1,072	401					

X Not applicable.

¹ Average annual change from preceding year shown. For 1959, change from 1954.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Number of Farms and Land In Farms, 1959-70* (Statistical Bulletin No. 507); *Farms and Land In Farms, 1969-75* (Statistical Bulletin No. 594); *Farm Numbers, 1975-80*; and *Crop Production* (August releases).

NO. 1098. FARMS—NUMBER AND ACREAGE, BY STATE: 1980 AND 1986

[1986 data preliminary. Based on 1974 census definition of farms and farmland; see text, section 23. See also *Historical Statistics, Colonial Times to 1970*, series K 4-7]

STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM		STATE	FARMS (1,000)		ACREAGE (mil.)		ACREAGE PER FARM	
	1980	1986	1980	1986	1980	1986		1980	1986	1980	1986	1980	1986
U.S.	2,433	2,214	1,039	1,007	427	455	Missouri	120	115	31	31	261	270
Alabama	59	52	12	11	207	212	Montana	24	24	62	61	2,801	2,542
Alaska	(2)	1	2	1	3,378	1,000	Nebraska	65	57	48	47	734	825
Arizona	8	9	38	38	5,080	4,222	Nevada	3	2	9	9	3,100	4,500
Arkansas	59	50	17	16	280	320	New Hampshire	3	3	1	1	160	333
California	81	79	34	33	417	418	New Jersey	9	8	1	1	109	125
Colorado	27	27	36	34	1,358	1,259	New Mexico	14	14	47	45	3,467	3,214
Connecticut	4	4	(z)	(z)	117	118	New York	47	42	9	9	200	214
Delaware	4	3	1	1	166	333	North Carolina	93	73	12	11	126	151
Florida	39	39	13	13	344	333	North Dakota	40	33	42	41	1,043	1,242
Georgia	59	49	15	13	264	265	Ohio	95	88	16	16	171	182
Hawaii	4	4	2	2	458	500	Oklahoma	72	71	35	33	481	465
Idaho	24	24	15	14	623	583	Oregon	35	37	18	18	517	488
Illinois	107	87	29	29	269	333	Pennsylvania	62	57	9	9	145	158
Indiana	87	78	17	16	193	205	Rhode Island	1	1	(z)	(z)	87	97
Iowa	119	109	34	34	284	312	South Carolina	34	28	6	6	188	214
Kansas	75	70	48	48	644	686	South Dakota	39	36	45	45	1,169	1,250
Kentucky	102	99	15	15	143	152	Tennessee	96	96	14	13	142	135
Louisiana	37	36	10	10	273	278	Texas	189	160	138	134	731	838
Maine	8	8	2	2	195	250	Utah	14	14	12	11	919	786
Maryland	18	17	3	3	157	176	Vermont	8	7	2	2	226	286
Massachusetts	6	6	1	1	116	167	Virginia	58	50	10	10	169	200
Michigan	65	61	11	11	175	180	Washington	38	38	16	16	429	421
Minnesota	104	93	30	30	291	323	West Virginia	22	21	4	4	191	190
Mississippi	55	46	15	14	265	304	Wisconsin	93	82	19	18	200	220
							Wyoming	9	9	35	35	3,846	3,899

Z Less than 500 farms or 500,000 acres.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production* (August 1986 release).

NO. 1099. FARMS—NUMBER, 1959 TO 1982, AND ACREAGE, 1978 AND 1982, BY SIZE OF FARM

[See *Historical Statistics, Colonial Times to 1970*, series K 162-173]

SIZE OF FARM	NUMBER OF FARMS (1,000)					LAND IN FARMS (mil. acres)		CROPLAND HARVESTED (mil. acres)		PERCENT DISTRIBUTION, 1982		
	1959	1969	1974	1978	1982	1978	1982	1978	1982	Number of farms	All land in farms	Crop- land har- vested
Total	3,711	2,730	2,314	2,258	2,241	1,014.8	986.8	317.1	326.3	100.0	100.0	100.0
Under 10 acres	244	162	128	151	188	.6	.7	.2	.3	8.4	.1	.1
10-49 acres	813	473	380	392	449	10.9	12.1	4.5	4.5	20.0	1.2	1.4
50-99 acres	658	460	385	356	344	25.9	24.8	10.2	9.5	15.4	2.5	2.9
100-179 acres	773	542	443	403	368	55.0	49.9	23.3	21.2	16.4	5.1	6.5
180-259 acres	414	307	253	234	211	50.6	45.7	23.7	21.7	9.4	4.6	6.7
260-499 acres	472	419	363	348	315	124.6	113.0	64.5	60.5	14.1	11.5	18.5
500-999 acres	200	216	207	213	204	146.7	140.5	75.2	77.6	9.1	14.2	23.8
1,000-1,999 acres	79	91	93	98	97	133.0	132.4	58.2	64.5	4.3	13.4	19.8
2,000 acres and over	57	60	62	63	65	467.4	467.5	57.3	66.6	2.9	47.4	20.4

Source: U.S. Bureau of the Census, *Census of Agriculture: 1959, 1969, 1974, vol. II and 1982, vol. I.*

NO. 1100. FARMS—NUMBER AND ACREAGE, BY TENURE OF OPERATOR: 1969 TO 1982

[Full owners own all the land they operate. Part owners own a part, and rent from others the rest of the land they operate. See also *Historical Statistics, Colonial Times to 1970*, series K 109-113 and 142-146]

ITEM AND YEAR	Unit	Total	Full owner	Part owner	Tenant	PERCENT DISTRIBUTION			
						Total	Full owner	Part owner	Tenant
Number of farms:									
1969.....	1,000.....	2,730	1,706	672	353	100.0	62.5	24.6	12.9
1974.....	1,000.....	2,314	1,424	628	282	100.0	61.5	27.2	11.3
1978.....	1,000.....	2,258	1,298	681	279	100.0	57.5	30.1	12.4
1982 ¹	1,000.....	2,241	1,326	655	259	100.0	59.2	29.3	11.5
Under 50 acres.....	1,000.....	637	505	68	63	100.0	79.3	10.7	9.9
50-179 acres.....	1,000.....	711	489	144	79	100.0	68.7	20.2	11.1
180-499 acres.....	1,000.....	526	232	221	73	100.0	44.1	42.0	13.8
500-999 acres.....	1,000.....	204	57	120	27	100.0	27.9	58.8	13.2
1,000 acres or more.....	1,000.....	161	41	103	17	100.0	25.4	64.0	10.6
Land in farms:									
1969.....	Mil. acres.....	1,063	375	550	138	100.0	35.2	51.8	13.0
1974.....	Mil. acres.....	1,017	359	535	122	100.0	35.4	52.6	12.0
1978.....	Mil. acres.....	1,015	332	561	122	100.0	32.7	55.3	12.0
1982.....	Mil. acres.....	987	342	531	114	100.0	34.7	53.8	11.6

¹ Data by size of farm exclude abnormal farms; see headnote, table 1102.Source: U.S. Bureau of the Census, *Census of Agriculture: 1969, 1974, vol. II, and 1982, vol. I.*

NO. 1101. FARM OPERATORS—TENURE AND CHARACTERISTICS: 1978 AND 1982

[In thousands, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series K 82-113]

TENURE AND CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF \$10,000 AND OVER		TENURE AND CHARACTERISTIC	ALL FARMS		FARMS WITH SALES OF \$10,000 AND OVER	
	1978	1982	1978	1982		1978	1982	1978	1982
Total operators.....	2,258	2,241	1,180	1,143	Principal occupation: Farming.....	1,269	1,235	934	901
White.....	2,200	2,187	1,163	1,127	Other.....	988	1,006	246	242
Black and other.....	58	54	17	16	Place of residence: ² On farm operated.....	1,586	1,581	876	833
Operators of Spanish origin ¹	18	16	7	6	Not on farm operated.....	422	429	197	202
Female.....	113	122	(NA)	37	Years on present farm: ² 2 years or less.....	(NA)	127	(NA)	53
Under 25 years old.....	87	62	(NA)	39	3-4 years.....	(NA)	193	(NA)	63
25-34 years old.....	285	294	(NA)	173	5-9 years.....	(NA)	360	(NA)	187
35-44 years old.....	434	443	(NA)	223	10 years or more.....	(NA)	1,098	(NA)	638
45-54 years old.....	549	505	(NA)	284	Days worked off farm: ² None.....	943	862	654	591
55-64 years old.....	552	536	(NA)	288	Less than 100 days.....	252	224	164	141
65 years old and over.....	371	400	(NA)	156	100-199 days.....	181	189	79	77
Average age (years).....	50.3	50.5	(NA)	49.1	200 days or more.....	770	775	214	213
Full owner.....	1,298	1,326	485	482	NA Not available.				
Part owner.....	681	656	514	491					
Tenant.....	279	259	181	170					

¹ Operators of Spanish origin may be of any race.² Excludes not reported.Source: U.S. Bureau of the Census, 1982 *Census of Agriculture*, vol. 1.

NO. 1102. FARMS—NUMBER, ACREAGE, AND VALUE, BY TYPE OF ORGANIZATION: 1978 AND 1982

[Excludes abnormal farms, (institutional farms, experimental and research farms, Indian reservations, etc.)]

ITEM	UNIT	Total ¹	Individual or family	Partnership	Corporation	PERCENT DISTRIBUTION			
						Total ¹	Individual or family	Partnership	Corporation
ALL FARMS									
Number of farms: 1978.....	1,000.....	2,255	1,966	233	50	100.0	87.2	10.3	2.2
1982.....	1,000.....	2,239	1,946	223	60	100.0	86.9	10.0	2.7
Land in farms: 1978.....	Mil. acres....	959	673	158	120	100.0	70.2	16.5	12.5
1982.....	Mil. acres....	932	642	152	127	100.0	68.8	16.3	13.6
Value of land and buildings: ² 1978.....	Bil. dol....	623	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982.....	Bil. dol....	763	547	119	90	100.0	71.7	15.6	11.6
Value of farm products sold: 1978.....	Mil. dol....	106,829	(NA)	(NA)	(NA)	100.0	(NA)	(NA)	(NA)
1982.....	Mil. dol....	131,590	77,907	21,520	31,480	100.0	59.2	16.4	23.9
FARMS WITH SALES OF \$10,000 AND OVER									
Number of farms: 1978.....	1,000.....	1,180	976	155	45	100.0	82.7	13.1	3.8
1982.....	1,000.....	1,143	934	152	52	100.0	81.7	13.3	4.5
Land in farms: 1978.....	Mil. acres....	829	557	147	118	100.0	67.2	17.7	14.2
1982.....	Mil. acres....	811	536	141	124	100.0	66.1	17.4	15.3

NA Not available.

¹ Includes other types, not shown separately.² Based on a sample of farms.Source: U.S. Bureau of the Census, 1982 *Census of Agriculture*, vol. 1.

NO. 1103. CHARACTERISTICS OF INDIVIDUAL OR FAMILY TYPE FARMS: 1982

[Excludes abnormal farms; see headnote, table 1102]

SIZE OF FARM AND VALUE OF SALES	INDIVIDUAL OR FAMILY TYPE FARMS			ITEM	Unit	All farms	INDIVIDUAL OR FAMILY TYPE FARMS	
	Number (1,000)	Percent distribution	Percent of all farms				Amount	Percent of all farms
Farms, total.....	1,946	100.0	86.9	Land in farms.....	Mil. acres...	\$32	842	86.9
Under 50 acres.....	579	29.8	91.0	Average size of farm.....	Acres...	416	330	(x)
50-179 acres.....	639	32.9	89.9	Value of land and bldgs.....	Bil. dol...	763.2	547.0	71.7
180-499 acres.....	450	23.1	85.6	Average per farm.....	\$1,000...	341	281	(x)
500-999 acres.....	163	8.4	80.0	Average per acre.....	Dollars...	819	852	(x)
1,000 acres or more.....	114	5.8	70.5	Value of farm products sold: ¹	Bil. dol...	131.6	77.9	59.2
Less than \$2,500.....	503	25.8	93.8	Average per farm.....	\$1,000...	59.8	40.0	(x)
\$2,500-\$4,999.....	256	13.2	92.0	Crops ²	Bil. dol...	61.9	37.7	60.6
\$5,000-\$9,999.....	253	13.0	88.9	Grains.....	Bil. dol...	36.4	26.4	72.4
\$10,000-\$19,999.....	227	11.7	87.8	Livestock, poultry and their products ³	Bil. dol...	69.4	40.2	58.0
\$20,000-\$33,999.....	214	11.0	88.0	Cattle, calves.....	Bil. dol...	31.5	15.3	48.6
\$40,000-\$99,999.....	281	14.4	84.4	Dairy products.....	Bil. dol...	16.3	11.2	68.7
\$100,000-\$249,999.....	165	8.5	76.4	Poultry, poultry products....	Bil. dol...	9.8	5.8	59.2
\$250,000-\$499,999.....	35	1.8	60.1	Hogs and pigs.....	Bil. dol...	9.8	6.8	69.3
\$500,000 and over.....	11	.6	39.7					

X Not applicable. ¹ Based on a sample of farms.² Includes nursery and greenhouse products.³ Includes other commodities not shown separately.Source: U.S. Bureau of the Census, 1982 *Census of Agriculture*, vol. 1.

NO. 1104. CHARACTERISTICS OF CORPORATE FARMS, BY TYPE: 1982

ITEM	Unit	All corporations	FAMILY HELD CORPORATIONS			OTHER CORPORATIONS		
			Total	1-10 stock-holders	11 or more stock-holders	Total	1-10 stock-holders	11 or more stock-holders
Farms.....	Number	59,792	52,652	50,842	1,810	7,140	5,997	1,143
Percent distribution.....	Percent.....	100.0	88.1	85.0	3.0	11.9	10.0	1.9
Land in farms.....	Mil. acres....	127.3	112.9	100.7	12.2	14.5	8.5	6.0
Average per farm.....	Acres....	2,129	2,143	1,980	6,737	2,024	1,413	5,231
Value of—								
Land and buildings ¹	Bil. dol....	89.9	76.1	70.1	6.0	13.8	7.7	6.1
Average per farm.....	\$1,000....	1,520	1,455	1,389	3,221	2,028	1,363	5,185
Farm products sold.....	Bil. dol....	31.5	22.9	20.7	2.3	8.6	5.5	3.1
Average per farm.....	\$1,000....	527	435	406	1,244	1,201	911	2,723

¹ Based on a sample of farms.Source: U.S. Bureau of the Census, 1982 *Census of Agriculture*, vol. 1.

Agriculture

No. 1105. FARMS—NUMBER, ACREAGE, AND VALUE, BY STATE: 1974 TO 1982

[For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series K 17-18.]

REGION, DIVISION, AND STATE	NUMBER OF FARMS (1,000)			ALL LAND IN FARMS (mil. acres)			AVERAGE ACREAGE PER FARM			VALUE OF LAND AND BUILDINGS		
	1974	1978	1982	1974	1978	1982	1974	1978	1982	1974	1978 ¹	1982 ¹
U.S.	2,314	2,258	2,241	1,017.0	1,014.8	986.8	440	449	440	342,099	631,433	774,158
Region:												
Northeast.....	128	131	131	23.4	23.7	23.0	183	181	175	15,460	24,079	28,272
Midwest.....	1,017	975	932	362.9	362.5	354.2	357	372	380	150,978	304,720	339,761
South.....	930	897	886	305.7	305.1	293.8	329	340	328	110,362	186,058	236,638
West.....	239	254	280	325.1	323.4	315.7	1,360	1,274	1,129	65,299	116,536	169,487
New England.....	23	24	28	4.8	4.8	4.6	206	196	178	2,915	4,339	5,385
Maine.....	6	7	7	1.5	1.5	1.5	237	221	210	519	800	1,053
New Hampshire.....	2	3	3	.5	.5	.5	210	193	170	286	426	555
Vermont.....	5	6	6	1.7	1.6	1.6	282	278	248	770	1,065	1,305
Massachusetts.....	4	5	5	.6	.6	.6	134	125	113	578	907	1,111
Rhode Island.....	1	1	1	.1	.1	.1	102	98	86	92	159	173
Connecticut.....	3	4	4	.4	.5	.4	129	130	118	671	983	1,188
Middle Atlantic.....	104	107	106	18.6	19.0	18.4	178	177	174	12,545	19,740	22,887
New York.....	44	43	42	9.4	9.5	9.2	215	220	218	4,800	6,315	7,509
New Jersey.....	7	8	8	1.0	1.0	.9	130	124	111	1,737	2,549	2,840
Pennsylvania.....	53	56	56	8.2	8.5	8.3	154	152	149	6,008	10,877	12,538
East North Central.....	445	423	403	90.0	90.9	88.6	202	215	220	61,408	130,814	134,987
Ohio.....	92	89	87	15.7	15.6	15.4	170	177	177	11,056	23,495	23,287
Indiana.....	88	82	77	16.8	16.8	16.3	191	204	211	12,078	26,658	26,128
Illinois.....	111	105	98	29.1	29.5	28.7	282	282	292	24,628	54,931	53,061
Michigan.....	64	60	59	10.8	11.0	10.9	169	183	187	5,989	10,585	13,389
Wisconsin.....	89	87	82	17.6	17.8	17.2	197	206	210	7,656	15,146	19,102
West North Central.....	573	552	529	272.9	271.6	265.6	477	492	502	89,572	173,906	204,793
Minnesota.....	99	99	94	27.6	28.5	27.7	280	288	294	11,855	25,762	32,326
Iowa.....	126	121	115	33.0	33.3	32.6	282	274	283	23,754	51,829	54,349
Missouri.....	116	115	112	29.8	30.1	29.3	258	262	260	11,811	21,972	25,094
North Dakota.....	43	40	36	42.4	41.7	40.2	992	1,033	1,104	8,288	14,565	17,609
South Dakota.....	43	39	37	45.0	44.4	43.8	1,074	1,147	1,179	6,656	11,466	15,429
Nebraska.....	68	64	60	46.2	46.1	45.0	683	723	748	13,017	24,417	31,910
Kansas.....	78	74	73	47.9	47.5	47.1	605	640	642	14,211	23,895	28,076
South Atlantic.....	296	282	274	60.9	59.8	57.2	206	212	209	34,987	57,395	69,752
Delaware.....	3	3	3	.5	.7	.7	185	197	196	612	964	1,218
Maryland.....	15	16	16	2.6	2.6	2.6	174	168	158	2,791	4,645	5,378
Virginia.....	53	50	52	9.7	9.5	9.4	184	189	182	5,396	8,572	10,622
West Virginia.....	17	17	19	3.5	3.5	3.6	207	202	190	1,050	2,082	2,421
North Carolina.....	91	82	73	11.2	11.0	10.3	123	135	142	6,634	11,560	13,669
South Carolina.....	29	27	25	6.2	6.0	5.6	211	226	224	2,887	4,581	5,193
Georgia.....	55	51	50	13.9	13.4	12.3	253	261	248	6,576	10,291	11,166
Florida.....	32	36	36	13.2	13.0	12.8	407	360	353	9,041	14,700	20,085
East South Central.....	306	284	283	53.7	51.6	49.2	175	182	174	22,006	39,460	46,466
Kentucky.....	102	102	102	14.4	14.6	14.2	141	143	140	6,158	12,705	14,661
Tennessee.....	94	87	91	13.1	12.7	12.5	140	146	138	6,117	10,684	12,592
Alabama.....	57	51	48	11.9	11.1	10.2	209	220	211	4,310	7,021	8,290
Mississippi.....	54	44	42	14.3	13.2	12.4	267	300	293	5,421	8,849	10,923
West South Central.....	328	331	340	191.0	193.7	187.3	582	586	551	53,389	89,243	120,420
Arkansas.....	51	52	51	14.6	15.0	14.7	287	291	291	6,135	11,445	14,480
Louisiana.....	33	31	32	9.1	9.3	8.9	275	296	282	4,679	9,111	12,070
Oklahoma.....	70	72	73	33.1	33.7	32.4	475	467	446	9,992	17,038	22,556
Texas.....	174	175	185	134.2	135.6	131.3	771	773	710	32,563	51,649	71,334
Mountain.....	112	117	122	253.0	252.6	246.1	2,262	2,168	1,857	32,028	56,781	76,179
Montana.....	23	24	24	62.2	61.7	60.5	2,665	2,618	2,568	6,952	12,084	15,856
Idaho.....	24	24	25	14.3	14.7	13.9	603	605	563	4,833	8,449	11,353
Wyoming.....	8	8	9	34.3	33.6	33.5	4,274	4,182	3,781	2,751	4,813	6,484
Colorado.....	26	27	27	35.9	35.3	32.5	1,408	1,310	1,237	6,734	11,220	15,228
New Mexico.....	11	12	13	47.0	47.9	47.1	4,170	3,894	3,493	3,649	6,634	8,322
Arizona.....	6	6	7	37.9	38.5	37.8	6,539	6,114	5,148	4,197	7,550	10,972
Utah.....	12	13	14	10.6	10.5	9.8	871	820	699	1,998	4,087	5,445
Nevada.....	2	2	3	10.6	10.4	10.0	5,209	4,346	3,671	915	1,922	2,509
Pacific.....	127	137	158	72.0	70.8	69.8	567	515	441	33,271	59,775	93,307
Washington.....	29	31	36	16.7	16.7	16.5	567	540	456	5,828	11,114	15,271
Oregon.....	27	29	34	18.2	18.1	17.7	682	633	520	4,552	8,588	12,865
California.....	68	73	82	33.4	32.7	32.2	493	447	390	21,793	38,152	61,532
Alaska.....	(Z)	(2)	(Z)	1.6	1.3	1.3	5,612	3,359	2,323	69	140	204
Hawaii.....	3	4	5	2.1	2.0	2.0	702	461	426	1,029	1,784	3,575

Z. Less than 500. ¹ Based on reports for a sample of farms.Source: U.S. Bureau of the Census, *Census of Agriculture: 1974*, vol. 2, and *1982*, vol. 1.

Irrigation—Foreign Ownership

No. 1106. IRRIGATED FARMS AND ACREAGE—SELECTED STATES: 1984

[Based on a sample of irrigators selected from irrigated farms identified in the 1982 Census of Agriculture excluding all irrigators in 1982 in Alaska, Hawaii, and abnormal and horticultural specialty farms in the 48 conterminous States. (For definition of abnormal farms, see headnote, table 1102.) Most of the excluded irrigated farms were horticultural specialty farms and accounted for 889,645 acres irrigated or 1.8 percent of the land irrigated in 1982. No attempt was made to identify and select new irrigators for 1984.]

STATE	Irrigat-ed farms (1,000)	Acres in farms (1,000 acres)	Acres irrigat-ed (1,000 acres)	STATE	Irrigat-ed farms (1,000)	Acres in farms (1,000 acres)	Acres irrigat-ed (1,000 acres)
Conterminous U.S. ¹	212.4	175,134	44,731	Arkansas	4.8	4,439	1,872
California	48.3	17,292	7,805	Oregon	12.1	10,640	1,776
Nebraska	19.2	19,321	5,828	Wyoming	—	4,630	1,550
Texas	13.7	14,458	4,921	Washington	13.1	4,097	1,482
Idaho	15.5	7,117	3,255	Florida	5.9	4,991	1,438
Colorado	13.4	15,380	3,105	Utah	10.0	3,787	1,054
Kansas	6.2	8,935	2,315	Arizona	3.4	4,729	893
Montana	7.9	16,769	1,877	Nevada	1.8	3,714	698

¹ Includes other States not shown separately.

Source: U.S. Bureau of the Census, *1984 Farm and Ranch Irrigation Survey*, (AG84-SR-1), 1986.

No. 1107. FEDERAL IRRIGATION PROJECTS, BY TYPE OF SERVICE: 1960 TO 1984

TYPE OF SERVICE	Unit	1960	1970	1975	1979	1980	1981	1982	1983	1984
All projects:										
Irrigable acreage	1,000	8,171	10,198	10,930	12,236	11,944	11,841	12,592	11,901	12,041
Irrigated acreage	1,000	6,900	8,570	9,309	10,234	10,093	10,122	10,635	9,236	9,805
Gross crop value	Mil. dol.	1,158	1,882	4,419	6,909	7,438	6,744	7,323	7,005	7,348
Full service: ¹										
Irrigable acreage	1,000	4,326	4,844	4,925	5,076	5,082	5,089	5,095	5,098	5,107
Irrigated acreage	1,000	3,488	4,037	4,213	4,254	4,275	4,290	4,249	3,978	4,182
Gross crop value	Mil. dol.	581	847	1,868	2,348	2,688	2,553	2,514	2,943	3,077
Supplemental and temporary service: ²										
Irrigable acreage	1,000	3,845	5,354	6,005	7,160	6,862	6,852	7,507	6,804	6,934
Irrigated acreage	1,000	3,412	4,533	5,096	5,980	5,818	5,832	6,385	5,258	5,623
Gross crop value	Mil. dol.	577	1,035	2,561	4,561	4,770	4,191	4,809	4,062	4,271

¹ Applies to irrigable land receiving its sole irrigation supply through Bureau of Reclamation-constructed facilities and to previously irrigated land in non-Federal projects where a substantial part of the facilities was constructed, rehabilitated, or replaced by the Bureau.

² Applies to irrigable land receiving irrigation water through Bureau projects in addition to supply from non-project sources and to land for which water is delivered under temporary arrangements.

Source: U.S. Bureau of Reclamation, *Annual Report*.

No. 1108. FOREIGN OWNERSHIP OF U.S. AGRICULTURAL LAND: 1985

[In thousands of acres, except percent. Covers "foreign persons" reporting under the Agricultural Foreign Investment Disclosure Act of 1978. As defined in the Act, a "foreign person" is any person who is not a U.S. citizen and who is not a permanent resident alien of the U.S. Foreign governments and entities are also "foreign persons." Also, each successive link in a chain of U.S. entities containing foreign interests is considered a "foreign person." An entity is deemed a "foreign person" if it is 10 percent or more foreign owned by a single foreign person or foreign persons acting in concert, or 50 percent foreign owned by a group of foreign persons not acting in concert, none of whom individually holds a 10 percent or greater interest in the entity. Therefore acreage figures reported do not necessarily mean that they are wholly owned by foreign investors. Covers reports received and accepted as of December 31, 1985]

CHARACTERISTIC	ACREAGE OWNED ¹		ACREAGE ACQUIRED ²		CHARACTERISTIC	ACREAGE OWNED ¹		ACREAGE ACQUIRED ²	
	Total	Percent	Total	Percent		Total	Percent	Total	Percent
Total³	12,094	100.0	1,674	100.0	Country of foreign owner:				
Corporation	9,518	78.7	1,584	94.6	Canada	1,546	12.8	67	4.0
Partnership	1,437	11.9	73	4.4	Germany, Fed. Rep.	803	6.6	74	4.4
Individual	954	7.9	13	.8	Mexico	212	1.8	—	—
Other	185	1.5	4	.2	Netherlands Antilles	539	4.5	—	—
Size of holding:					Panama	182	1.5	—	—
Less than 100 acres	125	1.0	3	.2	Switzerland	261	2.2	2	.1
100-299 acres	292	2.4	9	.5	United Kingdom	413	3.4	4	.2
300-999 acres	878	7.3	19	1.1	Through U.S. interest: ⁴				
1,000 acres or more	10,799	89.3	1,642	98.2	Canada	745	6.2	11	.7
Land use:					France	317	2.6	1	—
Cropland	2,097	17.3	113	6.8	Germany, Fed. Rep.	482	4.0	1	—
Pasture	2,669	22.2	75	4.5	Netherlands	331	2.7	1	—
Forest	6,131	50.7	1,471	87.9	Antilles	243	2.0	1	—
Other agriculture	542	4.5	10	.6	Switzerland	281	2.3	19	.8
Other nonagriculture	635	5.3	3	.2	United Kingdom	3,199	26.5	1,336	78.8

¹ Represents or rounds to zero. ² Landholdings by foreign interests as of Dec. 31. ³ Includes other countries not shown separately. ⁴ Acquisitions by foreign interests from Jan. 1-Dec. 31, 1985.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Foreign Ownership of U.S. Agricultural Land through December 31, 1985* (Economic Research Service Staff Report AGES 860327), 1986.

Agriculture

No. 1109. FARM REAL ESTATE—SUMMARY: 1970 TO 1986

[1970 and 1975, value data as of Mar. 1; 1978-1981, as of Feb. 1; 1982-1986, as of April 1. Excludes Alaska and Hawaii. 1970 value data based on 1969 census definition of farms and farmland; beginning 1975, based on 1974 census definition, see text, section 23. Total value of land and buildings is estimated by multiplying the number of acres of farmland by the average value per acre of land and buildings. Average values are based on land-value data obtained from the census of agriculture. For intercensal years, estimates are made using indexes of average value per acre. Indexes of average value per acre are based on surveys conducted by the U.S. Dept. of Agriculture]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total value	Bil. dol.	215.0	358.6	553.0	653.1	763.3	843.7	843.3	804.8	793.9	687.0	603.0
Land	Bil. dol.	175.5	300.5	471.1	559.7	658.0	728.3	729.8	697.3	688.9	596.0	522.8
Buildings	Bil. dol.	39.5	58.1	81.9	93.4	105.3	115.4	113.5	107.5	105.0	91.0	80.2
Average value per acre ¹	Dollars	196	340	531	628	737	819	823	788	782	679	596
Index	1977=100	42	75	109	125	145	158	157	148	146	128	112
Average value, operating unit	\$1,000	73.0	142.5	227.4	269.3	314.4	347.3	352.0	340.3	341.8	301.4	264.5

¹ Land and buildings.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1970-1984, *Farm Real Estate Market Developments*, annual; thereafter, *Agricultural Land Values and Markets*, annual.

No. 1110. FARM REAL ESTATE—VALUE OF LAND AND BUILDINGS, BY STATE: 1980 TO 1986

[See headnote, table 1109. See also *Historical Statistics, Colonial Times to 1970*, series K 16]

STATE	VALUE OF LAND AND BUILDINGS (mil. dol.)				AVERAGE VALUE OF LAND AND BUILDINGS, PER ACRE				INDEXES OF AVERAGE VALUE PER ACRE (1977=100)			
	1980	1984	1985	1986	1980	1984	1985	1986	1980	1984	1985	1986
U.S.	763,285	793,946	687,008	602,959	\$737	\$782	\$679	\$596	145	146	128	112
Alabama.....	9,516	9,309	8,844	8,755	780	809	789	761	149	161	154	152
Arizona.....	10,173	11,054	9,938	8,646	267	295	285	231	¹ 167	² 181	² 163	² 142
Arkansas.....	15,147	15,023	13,584	11,275	918	933	849	705	163	167	152	126
California.....	48,131	62,294	56,613	51,518	1,424	1,918	1,726	1,571	166	223	201	183
Colorado.....	13,932	16,180	14,964	12,270	387	468	435	357	147	166	154	126
Connecticut.....	1,170	1,351	1,444	1,675	2,387	2,814	3,208	3,721	² 135	³ 162	² 185	² 215
Delaware.....	1,169	1,231	1,067	1,142	1,798	1,866	1,642	1,757	151	146	128	137
Florida.....	18,605	20,698	19,851	18,660	1,381	1,608	1,527	1,435	⁴ 141	155	147	138
Georgia.....	13,440	12,291	11,678	11,094	896	910	865	822	132	122	116	110
Idaho.....	10,610	11,866	11,010	9,469	698	814	749	644	134	140	129	111
Illinois.....	58,781	51,667	37,712	32,809	2,041	1,800	1,314	1,143	135	115	84	73
Indiana.....	31,238	28,140	20,648	17,344	1,863	1,594	1,259	1,058	150	121	96	81
Iowa.....	62,192	50,358	35,750	28,243	1,840	1,499	1,064	841	139	108	77	61
Kansas.....	28,352	27,983	22,368	18,565	587	583	486	387	134	122	98	81
Kentucky.....	14,250	14,602	13,137	12,612	976	1,007	906	870	147	143	129	124
Louisiana.....	12,686	13,645	12,685	10,148	1,256	1,351	1,256	1,005	169	195	181	145
Maine.....	959	1,170	1,301	1,509	594	750	866	993	² 135	³ 162	² 185	² 215
Maryland.....	6,154	5,899	5,557	5,001	2,238	2,185	2,097	1,887	166	165	158	142
Massachusetts.....	1,158	1,416	1,613	1,871	1,608	2,081	2,372	2,752	³ 135	³ 162	² 185	² 215
Michigan.....	12,665	13,942	11,993	10,674	1,111	1,223	1,052	936	138	141	121	108
Minnesota.....	32,906	32,937	25,019	18,514	1,086	1,083	823	609	154	144	109	81
Mississippi.....	11,957	13,330	11,857	10,671	819	939	835	752	156	183	163	147
Missouri.....	28,232	26,536	20,297	18,673	902	856	659	606	154	133	102	94
Montana.....	14,546	16,141	13,520	12,438	235	264	222	204	142	149	125	115
Nebraska.....	30,290	29,117	20,957	17,185	635	617	444	384	137	114	82	67
Nevada.....	2,230	2,235	2,015	1,753	248	254	229	199	¹ 178	² 192	² 173	² 215
New Hampshire.....	547	678	766	889	1,004	1,244	1,419	1,646	³ 135	³ 162	² 185	² 215
New Jersey.....	3,008	3,137	3,348	3,717	2,947	3,234	3,525	3,913	120	129	141	157
New Mexico.....	8,658	8,315	7,335	6,015	185	182	183	134	¹ 166	² 180	² 162	133
New York.....	6,768	7,910	7,434	7,582	720	842	808	824	119	133	128	131
North Carolina.....	14,262	15,177	13,414	12,206	1,219	1,380	1,242	1,130	141	158	142	129
North Dakota.....	16,888	17,999	14,724	12,957	405	439	360	317	136	142	116	102
Ohio.....	28,026	22,813	17,791	16,012	1,730	1,444	1,126	1,013	156	116	90	81
Oklahoma.....	21,244	23,067	18,678	15,876	614	699	566	481	143	156	126	107
Oregon.....	10,625	12,563	10,422	9,380	587	688	579	521	132	137	114	103
Pennsylvania.....	13,178	14,282	13,137	12,612	1,484	1,642	1,510	1,450	140	138	127	122
Rhode Island.....	188	214	243	282	2,523	2,926	3,335	3,889	³ 135	³ 162	² 185	² 215
South Carolina.....	5,760	5,192	4,944	4,796	900	927	889	872	130	125	121	117
South Dakota.....	13,140	15,021	11,125	9,568	292	338	250	215	141	136	101	87
Tennessee.....	13,274	13,985	13,159	13,290	976	1,044	982	992	136	135	127	128
Texas.....	60,255	81,117	88,868	73,760	436	593	652	541	144	208	229	190
Utah.....	6,572	6,740	5,982	5,545	530	571	514	478	¹ 169	² 183	² 165	153
Vermont.....	1,255	1,517	1,827	1,888	721	893	1,017	1,180	² 135	³ 162	² 185	² 215
Virginia.....	10,074	10,803	10,474	10,997	1,028	1,114	1,091	1,146	139	143	140	147
Washington.....	11,997	15,472	15,045	13,240	736	981	923	812	124	157	151	133
West Virginia.....	2,810	2,536	1,938	1,881	669	687	554	537	150	172	143	139
Wisconsin.....	18,674	18,832	14,892	12,593	1,004	1,046	847	711	158	155	126	106
Wyoming.....	5,636	6,851	6,180	5,369	161	197	177	154	126	² 136	² 122	106

¹ Estimated by combining survey data to obtain an average rate of change for Arizona, Nevada, New Mexico, and Utah.

² Estimated using the average of the percentage changes in the Colorado, Idaho, and Montana indexes.

³ Estimated by combining survey data to obtain an average rate of change for New England States.

⁴ Estimated using the average of the percentage changes in the Alabama and Georgia indexes.

Source: U.S. Dept. of Agriculture, Economic Research Service, 1980 and 1984, *Farm Real Estate Market Developments*, annual; thereafter, *Agricultural Land Values and Markets*, annual.

Balance Sheet—Farm Debt Outstanding

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No. 1111. BALANCE SHEET OF THE FARMING SECTOR: 1970 TO 1985

[In billions of dollars, except percent. As of December 31. Includes farm operator households. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 204-219, for data before revisions]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS ¹					
	1970	1975	1980	1983	1984	1985, prel.	1970	1975	1980	1983	1984	1985, prel.
Assets	326.0	576.4	1,108.4	1,061.7	955.8	866.8	776.2	971.8	1,293.3	1,022.8	884.2	776.0
Annual percent change ²	4.6	12.1	14.0	-1.4	-10.0	-9.3	.1	4.6	5.9	-7.5	-13.5	-12.2
Physical assets:												
Real estate.....	223.2	418.2	846.6	798.0	693.7	607.5	531.4	705.2	987.9	768.8	641.7	543.9
Non-real estate:												
Livestock and poultry ³	23.7	29.4	60.6	49.7	49.6	45.9	56.4	49.6	70.7	47.9	45.9	41.1
Machinery, motor vehicles.....	34.4	64.0	102.5	105.8	99.4	97.6	81.9	107.9	119.6	101.9	92.0	87.4
Crops stored ⁴	10.7	21.3	36.5	33.3	33.8	37.1	25.5	35.9	42.6	32.1	31.3	33.2
Household furnishings, equipment.....	10.0	11.7	19.4	24.4	26.1	26.1	23.8	19.7	22.6	23.5	24.1	23.4
Financial assets:												
Deposits and currency.....	12.4	14.5	16.2	18.2	19.8	21.1	29.5	24.5	18.9	17.5	18.3	18.9
United States savings bonds.....	3.6	3.9	3.8	3.6	3.7	3.9	8.6	6.6	4.4	3.4	3.4	3.5
Investments in cooperatives.....	5.0	13.4	22.8	28.8	29.7	27.7	19.0	22.6	26.6	27.7	27.5	24.8
Claims.....	326.0	576.4	1,108.4	1,061.7	955.8	866.8	776.2	971.8	1,293.3	1,022.8	884.2	776.0
Liabilities:												
Real estate debt.....	54.5	91.7	182.2	216.2	212.3	204.9	129.8	154.6	212.5	208.3	196.5	183.4
Non-real estate debt to—	30.3	49.7	95.8	112.8	112.0	105.4	72.1	83.8	111.6	108.5	103.2	94.4
Commodity Credit Corp. ⁵	1.9	.4	5.0	10.8	8.6	16.9	4.5	.7	5.8	10.4	8.0	15.1
Other reporting agencies ⁶	17.4	33.0	63.9	73.9	74.2	67.2	41.4	55.6	74.6	71.2	68.6	60.2
Non-reporting creditors ⁷	4.8	8.5	17.7	18.9	18.0	15.4	11.4	14.3	20.7	18.2	16.7	13.8
Proprietors' equities.....	271.5	484.7	926.2	845.5	743.5	681.9	646.4	817.4	1,080.7	814.5	687.7	592.6

¹ Constant dollar figures are based on gross national product implicit price deflators for year. ² Average change from prior year shown; for 1970, change from 1965. For explanation of annual percent change, see Guide to Tabular Presentation.

³ Excludes horses and mules. ⁴ Includes all crops held on farms and crops held off farms by farmers as security for CCC loans. ⁵ Nonrecourse CCC loans secured by crops owned by farmers are included as assets in this balance sheet. ⁶ Loans of all operating banks, production credit associations, and Farmers Home Administration, and discounts of Federal intermediate credit banks for agricultural credit corporations and livestock loan companies. ⁷ Loans and credits extended by dealers, merchants, finance companies, individuals, and others. Estimates based on fragmentary data.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1985*, and unpublished data.

NO. 1112. FARM DEBT OUTSTANDING, BY TYPE OF LENDER: 1970 TO 1985

[In billions of dollars, except percent. As of Dec. 31. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series K 361-367 and K 376-380]

LENDER	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Farm debt, total.....	54.5	91.7	104.1	123.0	141.1	166.1	182.2	202.0	217.2	216.2	212.3	204.9
Annual percent change ¹	6.0	12.1	13.5	18.2	13.9	18.6	9.7	10.9	7.5	-.5	-1.8	-3.5
Farm debt/asset ratio (percent)	16.7	15.9	15.7	16.7	18.2	18.4	16.5	18.2	20.1	20.4	22.2	23.6
Real estate debt.....	30.3	49.7	55.3	63.5	71.6	85.6	95.6	105.8	110.0	112.6	111.6	105.4
Federal land banks.....	7.1	16.0	18.6	21.5	24.8	29.8	36.2	49.8	47.7	48.8	49.1	44.6
Life insurance companies.....	5.6	6.7	7.4	8.8	10.5	12.2	12.9	13.1	12.8	12.7	12.4	11.8
Commercial and savings banks.....	3.8	6.3	6.8	7.8	8.6	8.6	8.6	8.3	8.4	9.3	10.2	11.4
Farmers Home Administration ²	2.4	3.4	3.7	4.0	4.1	7.1	7.7	8.7	9.1	9.5	10.0	10.4
Individuals and others ³	11.4	17.3	18.9	21.3	23.6	27.9	30.2	31.8	32.0	32.3	29.8	27.2
Non-real estate debt.....	24.1	42.0	48.8	59.5	69.5	80.5	86.6	96.2	107.2	103.6	100.7	99.5
Commercial and savings banks.....	11.1	20.2	23.3	25.7	28.3	31.0	31.6	32.9	36.1	39.0	39.6	35.5
Production credit associations ⁴	5.5	11.1	12.6	13.9	15.5	18.8	20.5	22.1	21.3	20.2	18.8	14.5
Farmers Home Administration.....	.8	1.8	1.9	3.1	5.8	9.0	11.8	14.5	14.8	14.6	15.7	17.1
Individuals and others ⁵	4.8	8.5	10.0	12.2	14.3	16.6	17.7	18.8	19.5	18.9	18.0	15.4
Commodity Credit Corporation.....	1.9	.4	1.0	4.5	5.7	5.1	5.0	8.0	15.4	10.8	8.6	16.9

¹ Annual change from prior year shown; for 1970, change from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Includes direct and insured farm ownership, farm housing, soil and water and recreation loans secured by farm real estate. ³ Includes seller and other individual financing of farm real estate sales and unclassified credit sources. ⁴ Also includes Federal intermediate credit bank loans to financial groups other than production credit associations.

⁵ Includes merchants and dealers, individuals, Small Business Administration, and all other unclassified credit sources.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1985*.

Agriculture

NO. 1113. FARMS AND FARM OPERATOR DEBT—PERCENTAGE DISTRIBUTION BY DEBT/ASSET RATIO: 1986

[As of January 1. A farm is a crop or livestock farm if 50 percent or more of its commodity receipts derive from the sale of crop or animal products, respectively. A crop or livestock farm is further categorized as a particular type if 50 percent of its crop or, if applicable, livestock receipts come from a specific commodity area. Based on Farm Costs and Returns Survey conducted in February-March 1986 for the 1985 calendar year]

VALUE OF SALES AND TYPE OF FARM	FARMS—PERCENT DISTRIBUTION BY DEBT/ASSET RATIO			FARM OPERATOR DEBT—PERCENT DISTRIBUTION BY DEBT/ASSET RATIO				
	Total	Less than 40 percent	40-70 percent	Over 70 percent	Total	Less than 40 percent	40-70 percent	Over 70 percent
All farms.....	100.0	78.7	12.7	8.6	100.0	33.7	32.8	33.4
Less than \$10,000.....	100.0	90.1	7.1	2.9	100.0	49.1	34.1	16.9
\$10,000-\$19,999.....	100.0	83.2	9.2	7.6	100.0	34.3	26.7	39.0
\$20,000-\$39,999.....	100.0	81.3	11.3	7.5	100.0	52.9	24.4	22.7
\$40,000-\$99,999.....	100.0	72.2	16.4	11.5	100.0	35.6	31.4	33.0
\$100,000-\$249,999.....	100.0	62.6	20.4	17.0	100.0	29.9	31.5	38.6
\$250,000-\$499,999.....	100.0	58.2	25.3	16.5	100.0	29.7	38.5	31.8
\$500,000 and over.....	100.0	60.1	21.9	18.0	100.0	30.8	34.5	34.8
Cash grain.....	100.0	70.9	16.0	13.0	100.0	28.6	34.4	37.0
Field crop.....	100.0	82.0	13.3	4.8	100.0	37.6	30.7	31.5
Vegetable, fruit, and nut.....	100.0	83.3	7.4	9.3	100.0	37.3	28.6	34.0
Nursery.....	100.0	83.6	5.0	11.5	100.0	44.1	15.7	40.2
General crop.....	100.0	78.7	13.4	8.0	100.0	30.8	28.6	40.6
General livestock.....	100.0	84.9	9.6	5.6	100.0	36.8	33.1	30.0
Dairy.....	100.0	67.3	19.5	13.3	100.0	34.2	33.1	32.7
Poultry and egg.....	100.0	77.8	16.8	5.4	100.0	43.0	37.3	19.6
Other livestock.....	100.0	87.4	9.1	3.4	100.0	54.8	31.5	13.7

Source: U.S. Dept. of Agriculture, Economic Research Service, *Financial Characteristics of U.S. Farms*, January 1, 1986 (AIB No. 500), 1986.

NO. 1114. FARMS, FARM INCOME, AND ASSETS, BY VALUE OF SALES: 1985

[Minus sign (-) indicates loss]

FARMS WITH VALUE OF SALES OF—	Number of farms ¹ (1,000)	Gross income ² (bil. dol.)	Cash receipts ³ (bil. dol.)	Net income ² (bil. dol.)	Assets ⁴ (bil. dol.)	Debt ⁴ (bil. dol.)	Debt to asset ratio ⁴ (percent)	PERCENT DISTRIBUTION			
								Number of farms ¹	Gross income ²	Net income ²	Assets ⁴
Total.....	2,275	167.7	156.2	31.6	866.8	204.9	23.6	100.0	100.0	100.0	100.0
Less than \$2,500.....	571	3.6	7.9	-1.2	93.5	10.9	11.7	25.1	2.1	-3.7	10.8
\$2,500-\$4,999.....	325	2.9	13	-7	93.5	10.9	14.3	1.7	-2.2	-	5.2
\$5,000-\$9,999.....	268	3.7	23	-3	45.3	5.7	12.6	11.8	2.2	-1.0	6.6
\$10,000-\$19,999.....	243	5.1	40	-5	56.8	8.6	15.1	10.7	3.0	-1.5	8.2
\$20,000-\$39,999.....	230	8.6	7.6	-	70.8	12.7	17.9	10.1	5.1	-	19.3
\$40,000-\$99,999.....	323	26.0	24.5	2.1	167.3	38.1	22.8	14.2	15.5	6.7	22.6
\$100,000-\$249,999.....	221	40.7	38.4	8.1	196.3	49.9	25.4	9.7	24.3	25.6	13.8
\$250,000-\$499,999.....	66	26.5	26.0	6.6	119.8	34.4	28.7	2.9	15.8	20.8	4.3
\$500,000 and over.....	27	50.6	50.3	17.5	117.0	44.7	38.2	1.2	30.2	55.3	13.5

¹ Represents or rounds to zero. ² Based on 1974 census definition. See text, section 23. ³ Data are before inventory adjustment. For components of income, see table 1118. ⁴ Includes government payments and other farm income.

¹ Data as of December 31. Includes farm households.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, 1985.

NO. 1115. INDICATORS OF FINANCIAL STRESS IN AGRICULTURE, 1980 TO 1985, AND BY FARM REGION, 1985

[In percent. For years ending in June, except as noted. Based on a survey of approximately 1,000 bankers which reflects their perception of farm financial conditions in their lending areas]

FINANCIAL STRESS INDICATOR	1980	1982	1983	1984	1985					
					Total	North-east ¹	Corn Belt ²	South ³	Plains ⁴	West ⁵
Average delinquency rate ^{6,7}	(NA)	3.9	3.7	4.4	5.3	6.9	5.2	4.2	4.4	8.0
Farm borrowers who had bank financing discontinued.....	4.5	3.3	2.9	3.4	4.5	4.7	3.8	6.9	4.4	3.8
Farm borrowers loaned-up to practical limit ^{1,6}	27	32	28	33	37	34	35	47	35	44
Farmers in bank lending area who went out of business.....	2.1	2.2	2.3	3.6	4.8	4.9	4.6	5.6	4.9	4.3
Farmers in bank lending area who went through bankruptcy.....	(NA)	.8	1.1	2.6	3.8	4.0	3.3	5.7	3.7	3.5

NA Not available. ¹ ME, NH, VT, MA, RI, CT, NY, NJ, PA, DE, MD, DC, MI, WI, and MN. ² OH, IN, IL, IA, and MO. ³ UT, NV, WA, OR, CA, AK, and HI. ⁴ ND, SD, NE, KS, OK, and TX. ⁵ MT, ID, WY, CO, NM, AZ, UT, VA, WV, NC, SC, GA, FL, KY, TN, AL, MS, AR, and LA. ⁶ Percentage of dollar farm loan volume 30 days or more delinquent. ⁷ As of June of year shown. ⁸ Farm customers who have reached their maximum debt load.

Source: American Bankers Association, Washington, DC, *Agricultural Banker*, selected issues.

NO. 1116. FARM ASSETS AND DEBT, BY STATE: 1983 TO 1985

[As of December 31. Includes farm operator households]

DIVISION AND STATE	ASSETS (bil. dol.)			DEBT (bil. dol.)			Debt/ asset ratio, 1985 (per- cent)	DIVISION AND STATE	ASSETS (bil. dol.)			DEBT (bil. dol.)			Debt/ asset ratio, 1985 (per- cent)
	1983	1984	1985	1983	1984	1985			1983	1984	1985	1983	1984	1985	
U.S.	1,061	956	867	216	213	205	23.6	S.A.—							
N.E.:								Con.							
ME....	1.9	2.0	2.2	.4	.4	.4	18.2	WV.....	3.6	3.2	2.9	.4	.4	.4	13.8
NH....	.8	1.1	1.2	.1	.1	.1	8.3	NC.....	20.6	19.1	17.5	4.1	4.0	3.7	21.1
VT....	2.4	2.6	2.8	.4	.4	.4	14.3	SC.....	7.2	7.2	6.9	1.8	1.7	1.6	23.2
MA....	1.9	2.2	2.5	.2	.3	.2	8.0	GA.....	16.8	16.3	15.7	4.8	4.6	4.3	27.4
RI....	.3	.3	.3	(z)	(z)	(z)	8.0	FL.....	24.8	23.8	22.6	4.3	4.2	4.0	17.7
CT....	1.9	2.3	2.2	.3	.3	.3	13.6								
M.A.:								E.S.C.:							
NY.....	13.5	13.2	13.0	3.5	3.1	2.9	22.3	KY.....	20.6	19.5	18.9	4.1	4.1	3.8	20.1
NJ....	4.2	4.5	4.8	.5	.5	.5	10.4	TN.....	19.6	19.0	19.3	3.1	3.1	2.9	14.5
PA....	20.0	19.0	18.4	3.0	3.0	2.8	15.2	AL.....	12.7	12.3	12.2	2.5	2.4	2.2	18.0
E.N.C.:								MS.....	17.8	16.1	14.9	4.2	4.2	4.1	27.5
OH....	31.3	26.2	23.9	5.2	5.1	4.9	20.5								
IN....	34.8	29.4	26.1	7.6	7.4	7.1	27.2	W.S.C.:							
IL....	65.4	51.4	46.9	11.3	11.2	11.6	24.7	AR.....	19.8	18.3	15.9	4.2	4.2	4.0	25.2
MI....	20.5	18.4	17.3	4.4	4.4	4.3	24.9	LA.....	17.2	16.3	13.6	3.4	3.4	3.2	23.5
WI....	30.8	27.1	24.0	7.6	7.4	7.1	29.6	OK.....	30.1	25.5	22.7	6.0	5.6	5.6	24.7
W.N.C.:								TX.....	99.6	108.0	92.6	13.6	14.0	14.1	15.2
MN....	48.0	39.8	32.7	11.8	11.7	11.4	34.9	Mt.:							
IA....	68.6	53.6	45.8	16.8	16.3	15.8	34.5	MT.....	21.0	18.1	16.4	4.5	4.3	4.1	25.0
MO....	36.4	30.2	28.6	7.1	7.0	6.7	23.4	ID.....	16.0	15.0	13.1	3.7	3.6	3.4	25.9
ND....	25.6	22.4	20.6	5.8	5.7	5.8	28.2	WY.....	8.5	7.8	6.9	1.3	1.2	1.1	15.9
SD....	21.7	17.8	15.9	5.4	5.3	5.0	31.4	CO.....	21.1	19.7	16.9	4.8	4.7	4.8	28.4
NE....	41.1	32.2	28.6	10.8	10.3	9.8	34.3	NM.....	10.0	9.1	7.7	1.4	1.4	1.3	16.8
KS....	38.5	32.4	28.8	8.8	8.4	8.4	29.2	AZ.....	12.6	11.5	10.1	1.9	2.0	1.9	18.8
SA:								UT.....	8.3	7.6	7.5	1.1	1.1	1.1	14.7
DE....	1.8	1.4	1.5	.4	.4	.3	20.0	NV.....	2.9	2.6	2.3	.4	.4	.4	17.4
MD....	9.7	7.5	6.9	1.2	1.2	1.1	15.9	Pac.:							
VA....	15.1	15.0	15.4	2.2	2.3	2.1	13.6	WA.....	20.3	19.6	18.0	4.0	4.1	4.0	22.2
								OR.....	16.6	14.3	13.1	3.5	3.4	3.2	24.4
								CA.....	75.2	69.3	63.7	17.8	17.8	16.4	25.7
								AK.....	.4	.4	.5	(2)	(2)	(2)	12.6
								HI.....	4.0	4.2	4.2	.3	.3	.3	7.1

Z Less than \$50 million.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary, 1985*.

NO. 1117. GROSS FARM PRODUCT—SUMMARY: 1970 TO 1985

[In billions of dollars. For definition of gross product, see text, section 14. Minus sign (--) indicates decrease]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CURRENT DOLLARS												
Total value of farm output ¹	55.1	99.8	102.2	107.0	125.7	149.5	148.4	164.3	159.0	142.9	166.5	159.7
Farm marketings/cash receipts ²	50.5	88.9	95.4	96.2	112.2	131.5	139.8	142.1	142.9	133.1	141.2	142.6
Farm products consumed ³ .....	.8	1.1	1.2	1.2	1.1	1.2	1.1	1.1	1.0	1.1	1.1	.9
Change in farm inventories.....	-	3.4	-1.5	1.1	2.1	5.0	-5.9	5.8	-1.4	-7.5	7.5	-1.1
Gross rental value of farm housing.....	3.3	5.4	6.1	7.3	8.1	9.3	11.0	12.6	12.9	12.1	12.2	10.6
Less: Intermediate products purchased ⁴	28.8	49.5	53.7	56.6	65.4	77.7	82.9	84.5	82.0	83.6	87.6	84.2
Equals: Gross farm product.....	26.3	50.3	46.5	50.4	60.3	71.8	65.5	79.8	77.0	59.3	79.0	75.5
Less: Capital consumption allowances ⁵	5.9	10.4	11.5	12.9	14.5	16.4	18.9	20.8	22.0	22.4	22.5	22.2
Indirect business taxes.....	2.0	2.5	2.7	2.6	2.8	3.0	3.0	3.2	3.3	3.2	3.3	3.3
Plus: Subsidies to farm operators.....	3.3	.7	.7	1.7	2.5	1.1	1.1	1.6	2.4	7.9	6.3	6.6
Equals: Farm national income	21.7	36.1	35.0	36.4	45.5	53.4	44.7	57.3	54.0	41.7	60.5	56.6
CONSTANT (1982) DOLLARS												
Total value of farm output ¹	135.2	138.6	141.6	144.8	149.8	155.8	151.7	159.3	159.0	143.1	154.9	163.3
Farm marketings/cash receipts ²	112.7	117.4	125.6	127.5	129.8	132.5	138.5	136.9	142.9	132.4	132.8	148.1
Farm products consumed ³	1.7	2.0	2.0	1.7	1.5	1.4	1.2	1.1	1.0	1.1	1.0	1.0
Change in farm inventories.....	.8	1.4	-3.6	-1.8	.6	4.6	-4.7	4.9	-1.4	-6.3	4.9	-1.9
Gross rental value of farm housing.....	18.3	16.4	16.0	15.7	15.4	14.9	14.3	13.6	12.9	12.3	12.0	9.9
Less: Intermediate products purchased ⁴	74.5	73.8	79.2	82.6	88.8	91.2	87.6	83.5	82.0	81.8	85.3	85.7
Equals: Gross farm product.....	60.7	64.8	62.5	62.2	61.0	64.6	64.2	75.7	77.0	61.3	69.6	77.6
Less: Capital consumption allowances ⁵	16.0	19.0	19.6	20.4	21.0	21.7	22.3	22.2	22.0	21.4	20.8	20.1
Indirect business taxes.....	2.6	2.8	2.7	2.7	2.6	2.8	2.8	3.3	3.3	2.7	3.0	3.4
Plus: subsidies to farm operators.....	1.6	1.8	1.9	1.9	2.0	2.1	2.3	2.2	2.4	2.0	2.0	2.5
Equals: Farm national income	43.7	44.7	42.1	41.1	39.3	42.2	41.4	52.4	54.0	39.3	47.8	56.6

— Represents zero. ¹ Includes other farm income not shown separately. ² Includes net CCC loans. ³ In households where raised. ⁴ With deflator's gain. ⁵ With capital consumption adjustment.Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1118. FARM INCOME AND EXPENSES: 1970 TO 1985

[In billions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series K 192, K 259-260, K 264-285, and K 326]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Gross income from farming	58.8	100.6	102.9	108.8	128.4	150.7	149.3	168.3	163.4	152.4	174.4	168.8
Marketings, cash receipts	50.5	88.9	95.4	96.2	112.2	131.5	139.7	141.6	142.6	136.5	142.2	142.1
Crops ¹	21.0	45.8	49.0	48.6	53.0	62.3	71.7	72.5	72.4	67.0	69.2	72.7
Net CCC loans ²	.1	.2	1.0	3.6	(z)	.9	5	3.1	9.1	-.7	-.8	11.8
Livestock	29.5	43.1	46.3	47.6	59.2	69.2	68.0	69.2	70.2	69.5	72.9	69.4
Government payments	3.7	.8	.7	1.8	3.0	1.4	1.3	1.9	3.5	9.3	8.4	7.7
Value of home consumption	.8	1.1	1.2	1.2	1.2	1.3	1.2	1.2	1.1	1.1	1.1	.9
Rental value of dwellings	3.3	5.4	6.1	7.3	8.1	9.3	11.0	12.6	12.9	12.1	12.2	10.6
Other farm income ³	.6	1.0	1.1	1.2	1.9	2.2	2.3	2.5	4.5	4.4	4.3	6.4
Value of change in inventories ⁴	(z)	3.4	-1.5	1.1	1.9	5.0	-6.3	6.5	-1.3	-10.9	6.3	-1.1
Expenses of farm production	44.5	75.1	82.7	89.0	103.2	123.3	133.1	139.4	140.7	139.5	141.7	136.1
Intermediate products	25.2	42.5	47.1	49.8	60.2	71.9	76.1	76.6	74.1	75.1	75.8	74.2
Farm origin	13.3	20.0	22.6	23.5	28.8	35.2	34.9	33.3	31.5	33.5	32.8	31.9
Feed	8.0	12.9	14.4	14.0	16.0	19.3	21.0	20.9	18.6	21.7	19.9	19.6
Livestock	4.3	5.0	5.9	7.1	10.2	13.0	10.7	9.0	9.7	8.8	9.5	9.0
Seed ⁴	.9	2.1	2.4	2.5	2.6	2.9	3.2	3.4	3.2	3.0	3.4	3.4
Manufactured inputs	5.4	12.4	13.4	13.9	15.3	17.9	22.4	23.9	22.2	20.9	21.5	20.9
Fertilizer and lime	2.4	6.7	6.5	6.5	6.6	7.4	9.5	9.4	8.0	7.1	7.4	7.3
Pesticides	1.0	1.8	2.1	1.9	2.7	3.4	3.5	4.2	4.3	4.2	4.8	5.0
Fuel and oil	1.7	3.3	4.0	4.4	4.6	5.6	7.9	8.6	7.8	7.5	7.1	6.6
Electricity	.3	.6	.9	1.1	1.4	1.4	1.5	1.7	2.0	2.1	2.2	2.1
Repairs and operation ⁵	2.8	4.5	5.1	5.8	6.6	7.3	7.6	7.6	7.7	7.5	7.9	7.5
Machine hire and custom work	.9	1.5	1.7	1.8	2.1	1.8	2.0	2.0	2.0	1.9	2.2	2.2
Other	2.8	4.1	4.4	5.0	5.7	7.7	9.4	9.4	9.9	10.7	11.3	11.7
Interest	3.4	6.4	7.4	8.5	10.2	13.1	16.3	19.9	21.8	21.4	21.1	18.8
Real estate	1.8	3.3	3.8	4.3	5.1	6.2	7.5	9.1	10.5	10.8	10.7	9.9
Non-real estate	1.6	3.1	3.6	4.2	5.2	6.9	8.7	10.7	11.3	10.6	10.4	8.8
Wages paid labor ⁶	4.3	6.6	7.5	8.0	8.3	9.0	9.3	8.9	10.2	9.7	9.8	10.3
Net rent to nonoperator landlords	2.1	4.0	3.5	3.4	4.0	4.8	5.0	5.1	5.0	5.4	7.5	7.4
Capital consumption ⁷	6.9	12.4	13.8	15.5	17.0	19.3	21.5	23.6	23.9	23.5	23.0	21.1
Business taxes	2.6	3.2	3.5	3.7	3.6	3.9	3.9	4.2	4.4	4.3	4.4	4.4
Net income of farm operators from farming	14.4	25.5	20.2	19.8	25.2	27.4	16.1	26.9	22.7	13.0	32.7	30.5
In constant (1982) dollars	34.2	43.1	32.0	29.5	34.9	34.9	18.8	28.6	22.7	12.5	30.2	27.3

Z Less than \$50 million. ¹ Forest product sales are included in cash receipts for crops from 1970 to 1977 and in other farm income beginning 1978. ² Commodity Credit Corporation (CCC) loans made minus loans repaid. ³ Minus sign (–) indicates decrease in inventories. ⁴ Includes bulbs, plants, and trees. ⁵ Expenditures for repairs and maintenance of farm buildings, motor vehicles, and machinery. ⁶ Includes contract labor and social security payments. ⁷ Depreciation and accidental damage.

NO. 1119. FARM INCOME—CASH RECEIPTS FROM FARM MARKETINGS: 1970 TO 1985

[Represents gross receipts from commercial market sales as well as net Commodity Credit Corporation loans. See also *Historical Statistics, Colonial Times to 1970*, series K 286-302]

ITEM	FARM MARKETINGS (mil dol.)								PERCENT		
	1970	1975	1980	1981	1982	1983	1984	1985	1970	1980	1985
Total	50,509	88,902	139,780	142,087	142,938	136,480	142,153	142,103	100.0	100.0	100.0
All crops	20,977	45,813	71,769	72,926	72,870	67,007	69,248	72,702	41.5	41.6	51.2
Feed crops	5,109	12,183	18,308	17,774	17,231	15,867	15,728	21,397	10.1	13.1	15.1
Corn	3,326	8,530	13,959	13,349	12,625	10,857	10,671	16,031	6.6	10.0	11.3
Hay	614	1,387	1,917	1,850	1,990	2,121	2,299	2,207	1.2	1.4	1.6
Sorghum	641	1,302	1,392	1,344	1,464	1,088	1,378	1,877	1.3	1.0	1.3
Baetyl	288	625	738	857	793	991	1,070	1,024	.6	.5	.7
Oil-bearing crops	3,591	7,480	15,493	13,853	13,814	15,530	13,861	12,237	7.1	11.1	8.6
Soybean	3,164	6,637	14,241	12,245	12,519	12,143	12,207	10,804	6.3	10.2	7.6
Peanuts	360	742	607	1,048	818	799	1,203	1,046	.7	.4	.7
Food grains	2,542	8,195	10,402	11,619	11,469	9,733	9,578	8,846	5.0	7.4	6.2
Wheat	2,067	7,026	8,854	9,852	9,913	8,798	8,476	7,882	4.1	6.3	5.5
Rice	447	1,136	1,519	1,729	1,515	882	1,043	944	1.1	1.1	.7
Vegetables ¹	2,814	5,346	7,289	8,771	8,113	8,512	9,237	8,582	5.6	5.2	6.0
Fruits, tree nuts ¹	2,071	3,583	6,557	6,575	6,805	6,062	6,787	6,812	4.1	4.7	4.8
Cotton lint, seed	1,254	2,311	4,478	4,551	4,928	3,711	3,270	3,800	2.5	3.2	2.7
Tobacco	1,388	2,155	2,672	3,250	3,342	2,768	2,841	2,722	2.7	1.9	1.9
Other ²	2,208	4,579	6,560	6,543	6,969	7,326	7,946	8,306	4.4	4.7	5.8
All livestock and products	29,532	43,089	67,991	69,151	70,268	69,453	72,905	69,401	58.5	48.6	48.6
Cattle and calves	13,633	17,520	31,819	29,538	29,813	28,682	30,662	28,742	27.0	22.8	20.2
Dairy products	6,527	9,923	16,365	18,095	18,234	18,757	17,944	18,135	12.9	11.7	12.8
Hogs	4,478	7,916	8,942	9,794	10,659	9,785	9,703	8,940	8.9	6.4	6.3
Broilers	1,464	2,953	4,303	4,646	4,478	4,873	6,015	5,680	2.9	3.1	4.0
Eggs	2,109	2,814	3,247	3,649	3,498	3,449	4,088	3,252	4.2	2.3	2.3
Turkeys, other poultry ³	494	808	1,482	1,522	1,522	1,534	1,946	2,111	1.0	1.1	1.5
Sheep and lambs	334	386	471	416	445	426	466	503	.7	.3	.4
Farm chickens	100	110	128	132	119	147	170	152	.2	.1	.1
Other ⁴	393	659	1,234	1,359	1,560	1,800	1,910	1,885	.8	1.0	1.3

¹ Melons included with vegetables. ² Sugar crops, greenhouse and nursery products, forest products (for 1970 and 1975), legume and grass seeds, hops, mint, broom-corn, popcorn, hemp fiber and seed, and flax fiber. ³ Ducks, geese, guinea fowls, pigeons, quail, pheasants, and turkey hatching eggs. ⁴ Wool, mohair, honey, beeswax, bees, goats, rabbits, and fur animals.

Source of tables 1118 and 1119: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary, 1985*.

Farm Income

631

No. 1120. CASH INCOME, BY TYPE OF FARM: 1983 TO 1985

[In billions of dollars, except as indicated. Farms were classified in a particular group if its sales for that product group amounted to 50 percent or more of the total value of farm products sold. The Standard Industrial Classification (SIC) code for each farm type is shown in parentheses.]

ITEM	Total ¹	Cash grain (011)	Cotton (0131)	To-bacco (0132)	Other field crop (0133, 0134, 0139)	Vegetable and melon (016)	Fruit and tree nut (017)	Horticultural specialty (018)	Cattle, hog, and sheep ² (021)	Dairy (024)	Poultry and egg (025)
Number of farms (1,000):											
1983.....	2,370	611	22	137	107	33	89	31	980	174	44
1984.....	2,333	601	22	135	105	32	88	30	945	172	44
1985.....	2,285	599	21	132	103	31	86	30	925	168	43
Gross cash income:											
1983.....	150.1	41.8	4.6	2.9	6.3	6.3	6.3	4.5	39.2	20.7	10.4
1984.....	154.9	44.4	4.4	3.2	6.3	4.5	6.7	4.3	43.5	19.9	10.7
1985.....	156.2	46.2	4.8	3.4	6.6	4.8	7.1	4.5	42.4	19.1	10.2
Cash receipts: ³											
1983.....	136.5	33.8	3.5	2.8	5.1	6.2	6.1	4.5	37.4	20.3	10.3
1984.....	142.2	37.3	3.5	3.1	5.1	4.4	6.4	4.2	42.1	19.1	10.6
1985.....	142.1	38.9	3.7	3.2	5.3	4.6	6.8	4.4	40.6	18.3	10.1
Government payments: ⁴											
1983.....	9.3	6.4	.9	.1	.2	.1	(z)	(z)	1.1	.2	(z)
1984.....	8.4	5.6	.7	.1	.1	.1	(z)	(z)	.8	.7	(z)
1985.....	7.7	5.0	.9	.1	.1	.1	(z)	(z)	.7	.5	(z)
Other farm income:											
1983.....	4.4	1.6	.2	.1	1.0	.1	.2	(z)	.7	.2	(z)
1984.....	4.3	1.5	.1	.1	1.1	.1	.2	(z)	.7	.2	(z)
1985.....	6.4	2.4	.2	.1	1.2	.2	.3	(z)	1.1	.3	.1
Cash expenses: ⁵											
1983.....	113.0	32.9	2.8	2.2	3.0	2.7	4.4	2.1	34.0	14.9	7.8
1984.....	115.6	34.6	3.0	2.2	3.2	2.8	4.6	2.1	34.5	14.8	7.5
1985.....	112.2	33.4	2.9	2.2	3.1	2.9	4.7	2.1	33.3	14.3	7.4
Net cash income:											
1983.....	37.1	8.8	1.8	.7	3.2	3.6	1.8	2.4	5.2	5.8	2.6
1984.....	39.3	9.8	1.5	1.0	3.1	1.7	2.0	2.2	9.0	5.1	3.2
1985.....	44.0	12.9	1.9	1.2	3.5	2.0	2.4	2.4	9.1	4.8	2.8
Net farm income:											
1983.....	13.0	3.2	.4	.4	3.0	3.1	1.5	2.1	1.2	3.2	.9
1984.....	32.7	9.7	1.9	1.2	3.5	1.3	1.7	1.9	5.7	3.0	1.8
1985.....	30.4	6.6	1.2	1.2	3.6	1.5	2.1	2.1	5.0	2.6	1.4

^Z Less than \$50 million. ¹ Includes other types of farms not shown separately. ² Includes farms, ranches and feedlots.

³ Cash receipts from farm marketing. ⁴ Includes payment-in-kind (PIK) entitlements. ⁵ Excludes depreciation, labor perquisites, and those expenses associated with farm dwellings. Includes net rent received by non-operating landlords.

Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data.

No. 1121. NET CASH INCOME AND NET CASH FLOW FROM FARMING: 1970 TO 1985

[In billions of dollars. Net cash income and net cash flow provide measures of the cash available to farm operators in a calendar year. Minus sign (-) indicates net loan redemption]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Net cash income.....	18.4	29.6	29.9	27.9	33.1	33.4	34.2	32.8	36.8	37.1	39.8	44.0
Gross cash income.....	54.8	90.7	97.2	99.3	117.1	135.1	143.9	146.0	150.6	150.2	154.9	156.2
Cash expenses.....	36.4	61.1	67.2	71.4	84.2	101.7	109.1	113.2	113.8	113.0	115.6	112.1
Change in loans outstanding.....	2.4	9.2	11.1	14.4	15.9	23.8	15.1	15.6	7.3	3.5	-1.6	-14.9
Real estate loans.....	1.1	4.6	5.2	7.6	7.6	13.0	9.3	9.4	4.0	2.5	-8	-5.6
Nonreal estate loans ¹	1.2	4.6	6.0	6.8	8.3	10.9	5.9	6.2	3.3	1.0	-8	-9.2
Net change in operators' currency and demand deposits.....	1	.1	(z)	.1	.1	.1	.1	.2	.2	.3	.2	.7
Net rent received by non-operator landlords.....	2.1	4.0	3.5	3.4	4.0	6.2	6.1	6.2	6.2	5.4	7.5	7.4
Capital expenditures.....	6.8	12.4	14.0	15.0	17.9	19.9	18.0	16.8	13.7	13.0	12.5	10.1
Net cash flow ²	16.1	30.5	30.5	30.8	35.1	43.7	37.5	37.9	37.0	33.2	33.0	27.1

^Z Less than \$50,000. ¹ Excludes Commodity Credit Corporation loans. ² Net cash income plus change in loans outstanding plus net change in currency and demand deposits plus net rent received by non-operator landlords minus capital expenditures.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual.

Agriculture

NO. 1122. GOVERNMENT PAYMENTS TO FARMS, BY PROGRAM: 1970 TO 1985

[In millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series K326-329]

PROGRAM	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	3,717	2,607	530	807	734	1,819	3,030	1,975	1,266	1,932	3,492	9,295	8,430	7,704
Feed grain	1,504	1,142	101	279	196	187	1,172	494	382	243	713	1,346	387	2,851
Wheat	871	474	70	77	135	887	963	114	211	624	652	864	1,795	1,950
Cotton	919	718	42	138	108	89	127	185	172	222	800	562	275	1,106
Rice	(NA)	(NA)	(NA)	(NA)	(Z)	130	3	55	2	2	156	278	192	577
Wool	49	65	(Z)	13	39	5	27	33	28	35	46	84	118	98
Conservation	208	72	192	193	209	328	239	197	214	201	179	188	191	189
Miscellaneous	166	136	125	107	47	192	499	294	276	605	946	1,5,873	1,5,493	1,5,244

NA Not available. Z Less than \$500,000. ¹ Includes value of commodities transferred to farmers under the payment-in-kind program (PIK). For 1983, \$5.2 billion; for 1984, \$4.5 billion; and for 1985, \$1 billion.

NO. 1123. GOVERNMENT PAYMENTS TO FARMS BY VALUE OF FARM SALES: 1975 AND 1985

[See footnote 1, table 1122. See also *Historical Statistics, Colonial Times to 1970*, series K326]

VALUE OF FARM SALES	TOTAL PAYMENTS (mil. dol.)						AVERAGE PAYMENT PER FARM (dollars)					
	1975	1980	1982	1983	1984	1985	1975	1980	1982	1983	1984	1985
Total	807	1,286	3,492	9,295	8,430	7,704	320	529	1,455	3,922	3,621	3,387
Less than \$2,500	37	23	54	87	34	10	46	37	94	151	59	17
\$2,500-\$4,999	38	24	60	44	39	26	123	79	201	141	123	80
\$5,000-\$9,999	54	51	127	86	102	53	174	165	420	295	364	233
\$10,000-\$19,999	82	59	146	291	238	165	260	206	527	1,089	921	678
\$20,000-\$39,999	140	146	355	584	569	469	445	521	1,330	2,287	2,341	2,040
\$40,000-\$99,999	230	414	1,085	1,984	1,897	1,677	729	1,169	2,986	5,748	5,650	5,193
\$100,000-\$249,999	¹ 105	282	1,005	3,025	3,119	2,834	¹ 1,091	1,700	4,341	13,209	13,837	12,845
\$250,000-\$499,999	² 64	285	387	1,769	1,430	1,437	² 1,665	² 2,412	6,160	27,508	21,877	21,783
\$500,000 and over	57	91	293	1,415	1,005	1,024	5,193	3,849	9,829	46,632	35,659	37,499

¹ Farms with sales of \$100,000-\$199,999. ² Farms with sales of \$200,000-\$499,999.

Source of tables 1122 and 1123: U.S. Dept. of Agriculture Economic Research Service, *Economic Indicators of the Farm Sector, National Financial Summary, 1985*

NO. 1124. FARM INCOME, 1984 AND 1985, AND INCOME/DEBT RATIO, 1985, BY STATE

[Farm income data are after inventory adjustment. Includes farm operator households. State data will not add to U.S. totals because data for SC and VA were adjusted after national totals were released. For farm debt data by State, see table 1116. Minus sign (-) indicates net loss]

DIVISION AND STATE	GROSS FARM INCOME (mil. dol.)		NET FARM INCOME (mil. dol.)		Net farm income/debt ratio, 1985 (percent)	DIVISION AND STATE	GROSS FARM INCOME (mil. dol.)		NET FARM INCOME (mil. dol.)		Net farm income/debt ratio, 1985 (percent)
	1984	1985	1984	1985			1984	1985	1984	1985	
U.S.	174,399	166,566	32,687	30,459	14.9	S.A.—Con.	341	296	-8.2	-27.0	-6.6
N.E.	522	475	80.7	45.7	12.2	WV	5,075	4,518	1,347.2	960.0	26.2
ME	146	148	19.3	23.1	28.6	NC	1,407	1,228	254.5	131.7	8.6
NH	468	454	64.0	63.8	17.6	SC	4,183	3,810	1,144.5	909.4	20.9
VT	409	429	70.9	92.1	43.5	GA	5,044	5,042	1,824.6	1,767.2	43.7
RI	71	72	32.9	33.2	125.8	E.S.C.:	3,663	3,294	1,037.9	845.6	22.4
CT	418	376	98.1	60.3	21.7	KY	2,868	2,656	612.4	508.3	17.9
M.A.:	3,090	2,946	342.2	344.1	12.4	TN	2,668	2,491	686.8	565.5	25.6
NY	712	760	209.4	250.3	53.0	AL	2,825	2,555	587.0	453.9	11.5
N.J.	3,855	3,663	843.6	741.0	26.7	MS.	11,984	12,093	2,060.7	2,486.2	19.1
E.N.C.:	4,583	4,503	915.6	763.0	15.9	W.S.C.:	4,103	3,929	1,059.9	1,015.0	25.8
OH	5,595	5,083	884.6	577.9	8.6	AR	2,135	1,818	313.4	133.3	4.5
IN	8,802	8,886	1,413.4	1,561.5	14.5	LA	3,458	3,326	521.5	526.0	10.0
IL	3,717	3,593	626.7	649.2	15.4	OK	1,187	1,226	109.5	157.0	13.6
MI	6,195	5,741	1,202.0	991.2	14.3	TX	1,084	726	454.3	285.3	17.6
WI	7,869	7,308	1,346.9	1,161.4	10.7	MT.	1,626	1,245	-106.7	-365.7	-7.5
IA	11,065	10,557	1,734.8	1,698.5	11.3	ID.	2,646	2,494	412.3	482.7	11.3
MO	4,623	4,700	479.3	741.5	11.4	WY	669	647	-77.2	-72.1	-4.4
ND	3,471	3,322	637.6	573.9	10.7	CO	3,824	3,785	488.3	518.7	12.5
SD	3,445	3,252	626.3	583.8	12.9	NM	1,187	1,226	109.5	157.0	13.6
NE	8,308	8,584	1,330.0	1,767.4	18.9	AZ	2,084	1,840	454.3	285.3	17.6
KS	7,124	7,027	735.4	1,020.0	13.6	UT	726	680	77.9	42.6	5.6
S.A.:	558	532	145.0	113.1	33.0	NV	278	250	25.6	3.1	5.0
DE	1,411	1,335	256.1	212.8	18.7	Pac.:	8,738	3,357	961.9	696.8	17.9
MD	2,235	2,047	359.5	222.6	10.8	WA	2,282	2,200	469.4	459.1	14.9
VA						OR	16,091	15,432	3,688.9	3,539.1	21.7
						CA	31	32	5.3	8.2	20.0
						AK	585	577	161.6	165.9	51.3
						H.I.					

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary 1985*.

No. 1125. FARM INCOME—FARM MARKETINGS, 1984 AND 1985, GOVERNMENT PAYMENTS, 1985, AND PRINCIPAL COMMODITIES, 1985, BY STATE

[In millions of dollars. Cattle include calves; sheep include lambs; and greenhouse includes nursery. See table 1118]

DIVISION AND STATE	1984			1985			GOVERNMENT PAYMENTS	STATE RANK FOR TOTAL FARM MARKETINGS AND PRINCIPAL COMMODITIES IN ORDER OF MARKETING RECEIPTS, 1985		
	Farm marketings		Farm marketings		Crops	Live-stock and products				
	Total	Crops	Total	Crops						
U.S.	142,153	69,246	72,905	142,103	72,702	69,401	7,704	Cattle, dairy products, corn, soybeans.		
N.E.	1,760	661	1,098	1,637	619	1,016	15			
ME.	451	167	284	378	127	250	4	44—Dairy prod., eggs, potatoes, broilers.		
NH.	110	33	77	107	36	71	4	48—Dairy prod., greenhouse, apples, eggs.		
VT.	402	30	372	384	32	352	6	43—Dairy prod., cattle, maple prod., eggs.		
MA.	369	258	131	389	285	124	2	42—Greenhouse, cranberries, dairy prod., eggs.		
RI.	62	48	14	63	49	13	-	49—Greenhouse, dairy prod., eggs, potatoes.		
CT.	346	125	220	316	110	206	2	45—Eggs, dairy prod., greenhouse, tobacco.		
M.A.	6,284	1,997	4,298	6,305	2,132	4,173	76			
NY.	2,666	745	1,921	2,584	719	1,845	43	24—Dairy prod., greenhouse, cattle, corn.		
N.J.	538	404	135	591	447	144	4	37—Greenhouse, dairy prod., peaches, tomatoes.		
PA.	3,090	848	2,242	3,150	966	2,184	29	17—Dairy prod., cattle, eggs, mushrooms.		
E.N.C.	22,243	11,271	10,973	24,266	13,634	10,633	1,128			
OH.	3,614	1,989	1,626	3,940	2,430	1,511	150	11—Corn, soybeans, dairy prod., cattle.		
IN.	4,220	2,426	1,801	4,597	2,869	1,729	218	10—Corn, soybeans, hogs, cattle.		
IL.	6,655	4,462	2,173	7,768	5,704	2,063	491	4—Corn, soybeans, hogs, cattle.		
MI.	2,793	1,495	1,298	2,850	1,619	1,231	117	20—Dairy prod., corn, cattle, soybeans.		
WI.	4,953	878	4,075	5,111	1,012	4,100	152	8—Dairy prod., cattle, corn, hogs.		
W.N.C.	37,136	15,958	21,176	38,013	17,937	20,077	3,075			
MN.	6,086	2,728	3,360	6,472	3,102	3,370	480	6—Dairy prod., corn, cattle, soybeans.		
IA.	8,939	3,924	5,015	9,201	4,390	4,811	691	3—Corn, hogs, cattle, soybeans.		
MO.	3,696	1,530	2,166	3,668	1,738	1,930	188	13—Soybeans, cattle, hogs, corn.		
ND.	2,532	1,839	693	2,746	2,060	686	484	12—Wheat, cattle, barley, sunflower.		
SD.	2,826	1,021	1,804	2,979	1,076	1,903	232	18—Cattle, wheat, hogs, corn.		
NE.	7,035	2,510	4,524	7,206	3,093	4,113	518	5—Cattle, corn, hogs, soybeans.		
KS.	6,020	2,406	3,614	5,741	2,478	3,264	482	7—Cattle, wheat, sorghum grain, hogs.		
S.A.	17,428	9,623	7,804	16,521	9,111	7,409	226			
DE.	527	143	383	490	137	352	3	41—Broilers, corn, soybeans, dairy prod.		
MD.	1,179	369	810	1,148	378	770	16	34—Broilers, dairy prod., corn, cattle.		
VA.	1,786	665	1,121	1,627	623	1,004	24	30—Dairy prod., cattle, broilers, tobacco.		
WV.	225	43	183	241	49	192	4	46—Cattle, dairy prod., broilers, turkeys.		
NC.	4,194	2,253	1,941	3,914	1,980	1,934	43	12—Tobacco, broilers, hogs, turkeys.		
SC.	1,164	736	427	1,033	618	415	35	36—Tobacco, soybeans, dairy prod., corn.		
GA.	3,620	1,772	1,848	3,327	1,600	1,727	71	14—Broilers, peanuts, eggs, cattle.		
FL.	4,733	3,642	1,091	4,741	3,726	1,015	30	9—Oranges, greenhouse, tomatoes, sugarcane.		
E.S.C.	9,164	4,260	4,903	9,141	4,478	4,663	374			
KY.	2,703	1,288	1,415	2,871	1,519	1,352	47	19—Tobacco, horses/mules, cattle, corn.		
TN.	2,105	1,051	1,054	2,057	1,057	1,000	62	28—Cattle, dairy prod., soybeans, tobacco.		
AL.	2,192	803	1,388	2,077	776	1,301	60	26—Broilers, cattle, eggs, cotton.		
MS.	2,164	1,118	1,046	2,136	1,126	1,010	205	25—Cotton, broilers, soybeans, corn.		
W.S.C.	17,037	6,995	10,042	16,702	7,218	9,483	1,608			
AR.	3,285	1,400	1,885	3,280	1,455	1,825	329	15—Broilers, soybeans, rice, cattle.		
LA.	1,627	1,147	480	1,460	968	491	32—Soybeans, cotton, cattle, rice.			
OK.	2,655	879	1,776	2,664	938	1,726	249	23—Cattle, wheat, dairy prod., hay.		
TX.	9,470	3,569	5,901	9,298	3,857	5,441	848	2—Cattle, cotton, wheat, dairy prod.		
MT.	11,065	4,739	6,326	10,408	4,272	6,135	673			
MT.	1,366	849	717	1,207	405	802	221	33—Cattle, wheat, barley, hay.		
ID.	2,284	1,383	901	2,063	1,200	862	122	27—Cattle, potatoes, dairy prod., wheat.		
WY.	586	114	472	589	110	479	20	38—Cattle, sheep, hay, wheat.		
CO.	3,345	1,141	2,205	3,164	1,145	2,019	142	16—Cattle, wheat, corn, dairy prod.		
NM.	991	334	657	1,086	369	718	45	35—Cattle, dairy prod., hay, wheat.		
AZ.	1,654	900	753	1,529	827	702	95	31—Cattle, cotton, dairy prod., lettuce.		
UT.	588	139	449	548	138	409	24	39—Cattle, dairy prod., turkeys, hay.		
NV.	251	79	172	222	78	144	4	47—Cattle, hay, dairy prod., potatoes.		
Pac.	20,026	13,741	6,284	19,111	13,302	5,810	529			
WA.	3,132	2,100	1,031	2,797	1,865	932	155	21—Wheat, dairy prod., cattle, apples.		
OR.	1,846	1,216	630	1,778	1,156	622	71	29—Cattle, wheat, greenhouse, dairy prod.		
CA.	14,473	9,944	4,529	13,970	9,805	4,165	302	1—Dairy prod., greenhouse, cattle, cotton.		
AK.	25	18	7	26	8	—	50—Greenhouse, dairy prod., potatoes, lettuce.			
HI.	550	463	87	540	458	83	40—Sugarcane, pineapples, greenhouse, dairy prod.			

- Represents zero.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: State Financial Summary, 1985*.

Agriculture

No. 1126. INDEXES OF PRICES RECEIVED AND PAID BY FARMERS: 1970 TO 1985

[1977 = 100, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 344-353]

ITEM	1970	1973	1974	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985
Prices received, all products	60	98	105	101	102	115	132	134	139	133	135	142	128
Crops ¹	52	91	117	105	102	105	116	125	134	121	128	139	120
Food grains.....	59	138	192	155	129	122	147	165	166	146	148	144	133
Feed grains and hay.....	57	90	134	127	120	101	114	132	141	120	143	145	122
Cotton.....	36	54	85	68	99	91	96	114	111	92	104	108	92
Tobacco.....	62	74	85	93	93	109	118	125	140	153	155	153	154
Oil-bearing crops.....	41	93	96	81	85	93	103	102	110	88	102	109	84
Fruits.....	59	84	86	85	80	137	144	124	130	175	128	202	183
Commercial vegetables ²	59	76	81	92	91	105	110	113	136	126	130	135	128
Livestock and products.....	67	104	94	98	101	124	147	144	143	145	141	146	136
Meat animals.....	72	118	98	100	101	134	166	158	150	155	147	151	142
Dairy products.....	59	74	86	90	100	109	124	135	142	140	140	139	131
Poultry and eggs.....	64	101	94	103	102	108	111	112	116	110	118	135	119
Prices paid, total³	55	71	81	89	95	108	123	138	150	157	161	164	163
Production ⁴	54	73	83	91	97	108	125	138	148	150	153	155	151
Feed.....	54	86	104	100	103	98	110	123	134	122	134	135	116
Feeder livestock.....	77	121	93	85	97	140	185	177	164	164	160	154	154
Seed.....	43	64	82	94	92	105	110	118	138	141	141	151	153
Fertilizer.....	48	56	92	120	102	100	108	134	144	144	137	143	135
Agricultural chemicals.....	62	67	76	102	111	94	96	102	111	119	125	128	128
Fuels and energy.....	52	57	79	88	93	105	137	188	213	210	202	201	201
Farm and motor supplies.....	66	73	89	102	100	104	115	134	147	152	152	147	146
Interest payable per acre.....	39	55	65	77	88	117	143	174	211	241	250	255	242
Taxes payable per acre.....	68	77	81	87	94	100	107	115	123	124	129	132	133
Wage rates.....	57	69	79	85	93	107	117	126	137	144	148	151	154
Parity ratio (1910-14=100)⁵	72	91	86	76	71	70	71	65	61	57	56	58	52

¹ Includes other items not shown separately. ² Excludes potatoes. ³ Includes production items, interest, taxes, wage rates, and a family living component. The family living component is the Consumer Price Index for all urban consumers from the Bureau of Labor Statistics. See text, section 15, and table 774. ⁴ Straight average of seasonally adjusted indexes. ⁵ Ratio of prices received by farmers to prices paid.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Agricultural Prices: Annual Summary*.

No. 1127. COMMODITY CREDIT CORPORATION—SUMMARY: 1970 TO 1985

[In millions of dollars. As of end of fiscal year or for fiscal years ending in year shown; see text, section 10. The Commodity Credit Corporation is a wholly government-owned corporation. Its purpose is stabilizing, supporting, and protecting farm income and prices; assisting in maintenance of balanced adequate supplies of agricultural commodities; and facilitating orderly distribution of agricultural commodities. See also *Historical Statistics, Colonial Times to 1970*, series K 330-343.]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
LOAN ACTIVITY¹												
Loans made.....	2,388	852	1,131	3,621	6,385	4,576	4,228	5,849	11,454	13,710	5,131	10,187
Loans repaid.....	1,830	939	677	1,167	4,444	4,048	4,148	5,741	4,629	9,373	10,581	4,458
Loans cancelled by acquisition of collateral.....	1,073	100	348	23	145	318	115	3,405	363	860	1,032	1,638
Loans outstanding ²	2,952	395	637	3,245	5,080	5,210	5,119	5,193	11,633	15,084	8,571	12,631
Wheat.....	576	4	24	1,814	1,318	816	837	1,871	3,321	4,152	3,414	4,591
Corn.....	632	39	61	239	1,280	1,301	1,617	629	4,210	5,274	1,236	2,766
Cotton.....	170	143	24	13	153	80	35	76	714	960	67	376
Tobacco.....	845	119	353	652	751	903	815	764	867	1,738	2,084	2,539
Sorghum.....	52	1	3	106	278	79	79	96	721	898	520	567
Storage facilities, equipment ³	164	199	157	236	799	1,324	1,470	1,403	1,210	1,008	716	398
COMMODITY INVENTORY OPERATIONS												
Acquisitions, value ⁴	1,518	835	657	997	911	1,007	2,759	2,507	2,968	8,634	8,741	4,294
Purchases.....	398	735	307	974	761	877	2,643	2,503	2,593	7,644	7,676	2,616
Collateral acquired from loans.....	1,120	100	350	23	150	330	116	4	375	990	1,065	1,678
Wheat.....	217	4	14	72	135	40	801	28	27	1,600	1,983	919
Corn.....	49	2	5	2	31	195	416	21	179	3,132	2,591	192
Cotton.....	304	(2)	(2)	(2)	(2)	(2)	1	(2)	(2)	175	1,056	53
Dairy products.....	253	480	115	721	445	247	1,262	1,991	2,282	2,718	1,983	1,820
Butter.....	146	65	2	240	154	75	326	528	561	610	360	406
Cheese.....	7	92	9	168	51	17	443	768	874	1,173	892	749
Dried milk.....	100	323	104	313	240	155	493	695	643	928	731	665
Wheat flour and products.....	109	123	80	89	112	149	124	161	117	97	94	167
Vegetable oil products.....	28	44	(2)	24	50	117	136	161	89	79	141	167
Commodities owned, value ⁵	1,858	416	659	985	1,029	1,162	2,737	3,727	5,103	10,227	7,358	6,921
Wheat.....	405	2	(2)	23	119	118	705	679	679	1,533	1,510	1,951
Corn.....	293	(2)	1	(2)	27	209	596	555	709	3,392	1,045	757
Cotton.....	225	(2)	(2)	(2)	(2)	(2)	1	2	174	74	46	46
Sorghum.....	173	(2)	(2)	(2)	28	92	93	79	81	520	290	359
Dairy products.....	134	290	259	703	751	570	1,266	2,396	3,442	4,219	4,102	3,014
Butter.....	97	41	-	186	240	188	385	709	781	898	857	502
Cheese.....	10	10	1	93	55	4	309	888	1,395	1,674	1,693	1,185
Dried milk.....	37	239	258	424	456	378	572	799	1,266	1,648	1,562	1,327

¹ Represents zero. ² Less than \$500,000. ³ Covers commodity loans and storage facility and equipment loans. The latter were not available after July 1982. ⁴ Includes amounts for commodities not shown separately. ⁵ Loans for purchase, construction, or installation of storage and drying equipment. ⁶ For 1970, includes purchases for commodity export program.

⁷ Includes \$25 million in butter oil in 1983, \$14 million in 1984, and \$40 million in 1985.

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual.

No. 1128. COMMODITY CREDIT CORPORATION—VOLUME OF PRICE-SUPPORT COMMODITIES OWNED AND OUTSTANDING UNDER LOAN: 1975 TO 1985

[As of December 31. For explanation of program, see headnote, table 1127]

COMMODITY	UNIT	COMMODITIES OWNED					COMMODITIES OUTSTANDING UNDER LOAN				
		1975	1980	1983	1984	1985	1975	1980	1983	1984	1985
Dairy products:											
Butter and butter oil	Mil. lb.....	3	331	578	401	305	(X)	(X)	(X)	(X)	(X)
Cheese	Mil. lb.....	5	244	1,097	918	882	(X)	(X)	(X)	(X)	(X)
Nonfat dry milk.....	Mil. lb.....	442	707	1,718	1,489	1,328	(X)	(X)	(X)	(X)	(X)
Rice	Mil. cwt.....	(Z)	1.7	23.7	25.2	43.1	8.9	20.5	45.0	44.9	51.2
Wheat.....	Mil. bu.....	(Z)	203	376	418	557	32	366	1,107	911	1,387
Corn.....	Mil. bu.....	(Z)	254	1,230	295	477	110	966	1,450	1,056	2,811
Sorghum grain.....	Mil. bu.....	(X)	44	1,193	106	161	6	24	254	221	391
Soybeans.....	Mil. bu.....	(X)	(Z)	23	3	124	(Z)	72	81	178	459
Cotton	1,000 bales....	(Z)	2	1,315	152	194	333	651	3,134	841	5,372
Tobacco	Mil. lb.....	(X)	(X)	(X)	(X)	(X)	335	678	1,028	1,243	1,411

X Not applicable. Z Less than half the unit of measure shown. Upland and extra long staple.

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual. Also in *Agricultural Statistics*, annual.

No. 1129. COMMODITY CREDIT CORPORATION—REALIZED LOSSES ON PRICE SUPPORT AND RELATED PROGRAMS: 1970 TO 1985

[In millions of dollars. The realized loss or cost for these programs is reimbursed to C.C.C. by congressional appropriations and does not include reimbursements under Public Law 480 (Food for Peace), National Wool Act, or Export Credit Sales Programs. See also headnote, table 1127. Minus sign (–) indicates net loss.]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total net realized loss.....	-4,213	-710	-824	-3,056	-3,300	-2,296	-3,531	-5,723	-19,513	-8,518	-12,935
Net realized loss, program	-3,622	-681	-747	-2,711	-2,637	-1,544	-2,760	-3,355	-17,643	-7,104	-10,899
Producer payments ¹	-2,945	-560	-594	-2,152	-1,928	-418	-1,030	-1,491	-4,734	-4,553	-7,308
Diversion payments ²	-1,014	-5	-	-189	-78	-56	-	-	-1,332	-913	-1,538
Deficiency payments ³	-	-	-129	-1,436	-1,023	-80	-	-1,184	-3,286	-3,639	-5,748
Disaster payments ⁴	-	-555	-465	-525	-366	-257	-1,030	-306	-115	-1	(Z)
Export enhancement.....	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-22
Net loss on commodity											
inventory operations	-398	-114	-108	-296	-333	-479	-926	-1,377	-2,562	-2,701	-3,620
Net loss on sales	-2	+87	+1	-131	-114	-70	-203	-483	-581	-594	-627
Proceeds from commodity sales ⁵	+880	+450	+581	+661	+667	+982	+902	+562	+1,619	+9,521	+1,758
Cost of sales	-882	-363	-580	-792	-781	-1,032	-1,105	-1,045	-2,200	-10,115	-2,385
Cost of commodities donated	-185	-166	-60	-103	-119	-184	-432	-572	-1,402	-1,599	-2,464
Other expenses ⁶	-211	-33	-49	-62	-100	-225	-291	-322	-579	-508	-528
Payment-in-kind program	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	-9,424	-302	+17
Grain reserve storage expense ⁷	-144	(Z)	-1	-86	-282	-237	-87	-464	-1,113	-278	-307
Emergency Feed program payments	-	-	-	-169	-70	-23	-329	-16	-	(Z)	(Z)
Loan and other chargeoffs	-25	-1	-45	-10	-23	-51	-22	-18	-56	-15	-10
Other costs and recoveries	-110	-6	+1	+2	-1	-336	-386	+11	+246	+745	+329
Net interest expense ⁸	-535	+43	+2	-240	-562	-596	-605	-2,066	-1,523	-1,034	-1,651
Net operating and other expense	-56	-72	-79	-105	-101	-156	-166	-302	-347	-380	-385

- Represents zero. X Not applicable. Z Less than \$500,000.

¹ Includes activity for prior year programs, not shown separately. For 1970, includes price support payments. ² Payments are made to producers of feed grains, upland cotton, wheat, and rice who voluntarily diverted additional acreage from crop production to approved conservation uses or elected to divert wheat acreage for grazing or hay, but only if the Secretary of Agriculture determined that such payments were necessary to meet desirable acreage goals. ³ Payments are made to producers of wheat, feed grains, upland cotton, and rice where the target price for the commodities exceeds the national weighted average market price or the loan rate, whichever is higher. ⁴ Payments are made to producers of wheat, feed grains, cotton, and rice in the event a crop cannot be planted, or if the quantity harvested is substantially less than the expected production because of drought, flood, or other natural disaster, or other conditions beyond the producers' control. ⁵ Includes the value of exported commodities charged to P.L. 480, Title II. ⁶ Covers storage, handling, and transportation expenses. ⁷ Payments to producers for storage of grain under the farmer-owned grain reserve program. Under the reserve program, a farmer contracts with the government to store grain for a three-year period and receives a nonrecourse loan and annual storage payments. The Federal Government has generally extended reserve loans beyond three years rather than have farmers choose not to repay loans and give grain to the government. Grain in the reserve cannot be sold, except with a financial penalty, until the market price reaches a trigger release price, at which time storage payments cease and farmers can repay loans without financial penalty. Interest is charged only for the first year. For 1970-1975, includes reseed loan storage expense. ⁸ Interest expense minus interest income.

Source: U.S. Agricultural Stabilization and Conservation Service, *Commodity Credit Corporation Report of Financial Condition and Operations*, annual.

NO. 1130. CIVILIAN CONSUMER EXPENDITURES FOR FARM FOODS—FARM VALUE AND MARKETING BILL: 1960 TO 1985

[In billions of dollars, except percent. Excludes imported and nonfarm foods, such as coffee and seafood, as well as food consumed by the military, or exported. See *Historical Statistics, Colonial Times to 1970*, series K 358-360 for data before revisions.]

ITEM	1960	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985
Consumer expenditures, total.....	66.9	110.6	167.0	216.9	245.2	284.1	287.7	298.9	315.0	332.0	343.6
Farm value, total.....	22.3	35.5	55.6	69.5	79.2	81.7	83.2	83.7	84.9	91.4	86.4
Marketing bill, total ¹	44.6	75.1	111.4	147.4	166.1	182.7	204.5	215.2	230.1	240.6	257.2
Percent of total consumer expenditures.....	66.7	67.9	66.7	80.9	67.7	69.1	71.1	72.0	73.0	72.5	74.8
At-home expenditures ²	50.0	78.0	116.2	150.2	169.4	180.1	194.0	198.8	204.6	213.1	219.4
Farm value.....	18.7	29.1	44.0	50.4	64.5	66.2	67.0	66.8	67.5	73.1	69.0
Marketing bill ³	31.3	48.9	72.2	93.9	104.9	113.9	127.0	128.9	137.1	140.0	150.4
Percent of at-home expenditures.....	62.6	62.8	62.1	62.5	61.9	63.2	65.5	66.0	67.0	65.7	68.5
Away-from-home expenditures.....	16.9	32.6	50.8	66.7	75.8	84.3	93.7	102.2	110.4	118.8	124.2
Farm value.....	3.7	6.4	11.6	13.1	14.7	15.5	16.3	16.9	17.4	18.3	17.4
Marketing bill ¹	13.2	26.2	39.2	53.6	61.1	68.8	77.5	85.3	93.0	100.6	105.8
Percent of away-from-home expenditures.....	78.1	80.5	77.2	80.4	80.6	81.6	82.7	83.5	84.2	84.6	86.0
Marketing bill cost components:											
Labor cost ⁴	19.7	32.2	48.3	66.2	75.2	81.5	91.0	96.6	102.5	109.1	116.8
Packaging materials	5.4	8.2	13.3	16.6	18.6	21.0	22.8	23.2	24.4	26.3	27.1
Rail and truck transport ⁴	4.1	5.2	8.4	10.5	11.8	13.0	14.3	14.7	15.5	15.9	16.3
Corporate profits before taxes.....	2.1	3.6	7.1	9.2	9.9	10.9	12.0	13.0	14.0	15.9	17.0
Fuels and electricity	2.2	4.6	6.3	8.0	9.9	11.6	12.2	12.7	13.3	13.3	13.3
Other ⁵	13.3	23.7	29.7	38.6	42.6	46.4	52.8	55.5	60.2	60.7	66.7
Processing.....	15.1	29.7	40.9	56.8	64.5	69.8	76.1	77.6	81.7	80.2	86.0
Wholesaling.....	5.5	8.7	13.5	17.1	19.0	20.7	23.9	25.1	27.6	28.0	29.1
Transportation.....	4.1	5.2	8.4	10.5	11.8	13.0	14.3	14.7	15.5	16.2	17.5
Retailing and food service.....	19.9	31.5	48.6	63.0	70.8	79.2	90.2	97.8	105.3	116.2	124.6
SELECTED FOOD COMMODITY GROUPS											
Meat products:											
Total expenditures.....	18.6	33.7	48.0	68.5	78.7	81.3	86.0	88.8	94.2	97.0	
Farm value.....	8.4	14.4	20.5	28.0	31.5	30.8	31.1	31.5	31.4	32.4	
Percent of total.....	45.2	42.7	42.7	40.9	40.0	37.9	36.2	35.5	33.3	33.4	
Marketing bill ¹	10.2	19.4	27.5	40.5	47.3	50.5	54.9	57.3	62.8	64.6	
Poultry and eggs:											
Total expenditures.....	5.2	9.1	12.7	15.2	17.4	18.3	19.9	20.3	21.7	24.4	
Farm value.....	2.9	4.0	6.3	7.3	8.1	8.3	8.7	8.5	9.3	11.0	
Percent of total.....	55.8	44.0	49.6	48.0	46.6	45.4	43.7	41.9	42.9	45.1	
Marketing bill ¹	2.3	5.1	6.4	7.9	9.3	10.0	11.2	11.8	12.4	13.4	
Dairy products:											
Total expenditures.....	12.1	16.7	23.3	30.1	33.5	37.8	41.4	42.0	45.0	47.9	
Farm value.....	4.7	6.9	10.0	12.7	14.6	16.0	17.0	16.7	18.0	18.1	
Percent of total.....	38.8	41.3	42.9	42.2	43.6	42.3	41.1	39.8	40.0	37.8	
Marketing bill ¹	7.4	9.8	13.3	17.4	18.9	21.8	24.4	25.3	27.0	29.8	
Fruits and vegetables:											
Total expenditures.....	14.7	22.6	35.6	45.4	51.2	53.7	60.3	63.8	66.5	70.2	
Farm value.....	3.5	5.1	8.4	10.0	10.9	11.6	13.3	13.8	13.3	15.1	
Percent of total.....	23.8	22.6	23.6	22.0	21.3	21.6	22.1	21.6	20.0	21.5	
Marketing bill ¹	11.2	17.5	27.3	35.4	40.3	42.1	47.0	50.0	53.2	55.1	
Bakery, grain mill products:											
Total expenditures.....	9.4	13.6	24.2	27.5	31.6	35.2	37.8	39.6	40.6	43.1	
Farm value.....	1.5	2.0	4.2	3.8	4.8	5.1	4.9	4.8	4.9	5.1	
Percent of total.....	16.0	14.7	17.4	13.8	15.2	14.5	13.0	12.1	12.1	11.8	
Marketing bill ¹	7.9	11.6	20.0	23.7	26.8	30.1	32.9	34.9	35.7	38.0	

NA Not available. ¹ The difference between civilian expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. ² Food primarily purchased from retail food stores for use at home. ³ Covers employee wages and salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. ⁴ Excludes local hauling. ⁵ Represents advertising, rents, depreciation, interest on borrowed capital, taxes other than income, and other costs.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Food Cost Review*, 1985, AER No. 559, July 1986; *Food Consumption, Prices, and Expenditures*, 1963-1984, SB-736, December 1985; *Agricultural Outlook*, periodic; and *Agricultural Statistics*, annual.

NO. 1131. SELECTED INDEXES OF FARM INPUTS: 1960 TO 1985

[1977=100. Inputs based on physical quantities of resources used in production. See *Historical Statistics, Colonial Times to 1970*, series K 486-495 for data before revisions.]

INPUT	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Total	98	97	96	102	105	103	102	99	95	96	98
Farm labor.....	206	126	107	98	93	92	90	87	79	80	(NA)
Farm real estate ¹	103	105	97	100	103	103	103	103	101	99	(NA)
Mechanical power and machinery.....	83	85	96	104	104	101	98	94	89	88	(NA)
Agricultural chemicals ²	32	75	83	107	123	123	129	118	105	120	(NA)
Feed, seed, and livestock purchases ³	77	96	93	108	115	114	108	106	106	106	(NA)
Taxes and interest.....	95	102	100	99	103	100	99	99	99	95	(NA)
Miscellaneous.....	77	89	82	103	113	86	108	114	110	122	(NA)

NA Not available. ¹ Includes service buildings, improvements. ² Includes fertilizer, lime, and pesticides. ³ Includes nonfarm portion.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in U.S. Council of Economic Advisers, *Economic Report of the President*, annual.

No. 1132. FARMER MARKETING AND FARM SUPPLY COOPERATIVES—SUMMARY: 1970 TO 1984

[1970-1977, for fiscal years of cooperatives ending between July 1 of preceding year, and June 30 of year shown. Beginning 1978, reports of cooperatives are for the calendar year. Comprises independent local associations, federations, large-scale centralized associations, and sales agencies. Memberships and businesses are estimated. See also *Historical Statistics, Colonial Times to 1970*, series K 195-203]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.	
Cooperatives listed	7,790	7,645	7,535	6,736	6,800	6,445	6,283	6,211	6,125	5,989	5,782	
Marketing ¹	5,015	4,916	4,804	4,143	4,050	3,938	3,924	3,855	3,828	3,781	3,646	
Farm supply	2,775	2,729	2,593	2,550	2,507	2,369	2,356	2,299	2,208	2,136	2,136	
Memberships ² (1,000)	6,355	6,123	5,906	5,758	5,695	5,627	5,379	5,335	5,136	4,955	4,842	
Marketing ¹ (1,000)	3,133	3,151	2,850	2,692	2,632	2,567	2,574	2,479	2,469	2,402	2,445	
Farm supply (1,000)	3,222	2,972	3,056	3,063	3,063	3,060	2,804	2,856	2,668	2,553	2,397	
Business ³ (mil. dol.)	19,080	41,342	40,104	43,584	47,305	56,268	66,254	71,534	89,150	66,755	73,047	
Marketing ¹ (mil. dol.)	15,207	32,682	30,682	33,027	36,253	42,747	50,120	54,475	52,788	50,812	56,078	
Farm supply (mil. dol.)	3,873	8,660	9,412	10,557	11,052	13,521	16,134	17,059	16,362	15,943	16,969	
COOPERATIVES HANDLING												
SELECTED PRODUCTS OR SUPPLIES		1970	1980	1982	1983	1984, prel.	1970	1975	1980	1982	1983	1984, prel.
Products marketed:												
Grain, soybeans	2,539	2,434	2,362	2,275	2,195	3,008	12,744	17,790	18,234	16,218	20,607	
Dairy products	971	487	451	418	404	5,126	8,876	13,666	15,776	16,768	16,708	
Fruits and vegetables	499	400	384	394	380	1,776	2,730	4,209	4,501	4,241	5,059	
Livestock and livestock products	546	448	429	402	388	2,154	2,614	5,837	5,194	4,768	3,689	
Sugar products	66	45	48	47	45	634	2,065	1,712	1,519	1,683	1,715	
Cotton and cotton products	554	470	476	487	470	434	935	1,860	1,793	1,722	1,471	
Supplies purchased:												
Feed	4,214	3,613	3,553	3,295	3,181	1,279	2,587	3,544	3,341	3,594	3,641	
Fertilizer	4,294	3,802	3,732	3,442	3,323	657	1,913	3,454	3,407	2,837	3,435	
Petroleum products	2,774	2,921	2,871	2,742	2,647	864	1,675	5,069	5,602	5,434	5,477	
Farm chemicals	3,721	3,697	3,627	3,407	3,289	165	502	1,048	1,336	1,250	1,460	
Seed	4,007	3,620	3,550	3,318	3,203	142	337	495	555	483	587	

¹ Includes cooperatives whose major activity is providing services related to marketing and farm-supply activities. ² Excludes nonvoting patrons. ³ Value of commodities sold or purchased for patrons. Business dollar volume for marketing includes service receipts for charges related to marketing and purchasing. Represents net volume after eliminating intercooperative business.

Source: U.S. Dept. of Agriculture, Agricultural Cooperative Service, *Farmer Cooperative Statistics*, annual.

No. 1133. FARM MACHINERY AND EQUIPMENT: 1960 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series K 184-191]

ITEM	Unit	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Value of farm implements and machinery ¹	Bil. dol....	22.2	34.4	64.0	77.0	85.1	96.8	102.5	108.8	108.8	105.8	99.4	97.6
Number on farms, Jan. 1: ²													
Tractors ³	1,000.....	4,688	4,619	4,469	4,402	5,050	4,776	4,752	4,726	4,697	4,669	4,671	4,676
Horsepower	Mil.....	153	203	222	232	264	301	304	308	306	309	311	311
Motortrucks	1,000.....	2,834	2,984	3,092	3,044	3,450	3,358	3,344	3,350	3,389	3,435	3,402	3,380
Grain combines	1,000.....	1,042	790	524	535	680	855	852	847	844	844	845	845
Corn pickers ⁴	1,000.....	792	635	615	605	695	706	701	696	690	684	684	684
Pickup balers	1,000.....	680	708	667	615	770	744	756	770	785	800	800	800
Field forage harvesters	1,000.....	291	304	255	270	302	295	293	288	285	285	285	285
Farmers' expenditures:													
Motor vehicles ⁵	Mil. dol....	1,344	2,030	3,833	4,927	5,580	6,284	5,813	5,652	4,755	4,885	4,739	3,716
Machinery, equipment	Mil. dol....	1,458	2,888	4,820	5,657	7,158	8,002	6,956	6,481	5,104	4,823	4,751	3,770
Retail sales: ⁶													
Tractors, total ⁷	1,000.....	(NA)	135.5	161.1	130.9	139.6	139.0	119.3	103.8	77.2	71.3	66.7	58.5
2-wheel drive	1,000.....	(NA)	135.5	150.5	123.2	130.9	127.5	108.4	94.1	70.4	68.2	62.7	55.5
4-wheel drive	1,000.....	(NA)	10.6	7.7	8.7	11.5	10.9	9.7	6.8	5.1	4.0	3.0	
Combines	1,000.....	(NA)	26.7	33.1	28.8	31.5	32.3	25.7	26.8	16.2	12.8	11.4	8.4
Corn heads	1,000.....	(NA)	18.5	25.4	20.7	21.2	22.4	17.2	15.7	9.3	6.8	6.4	5.0
Field forage harvesters	1,000.....	(NA)	15.0	13.1	13.2	11.5	12.5	9.5	7.6	5.1	4.1	3.5	2.5

NA. Not available. ¹ Farm inventory valuations as of December 31. Includes family automobiles. ² 1978 data are not directly comparable with totals fo. 1974 or earlier agriculture census years; see text, section 23. For all non-census years, data are estimated using prior census as reference point. ³ Excludes garden tractors. ⁴ Includes picker-shellers. ⁵ For farm business use. ⁶ Source: Farm and Industrial Equipment Institute, Chicago, IL, unpublished data. ⁷ Beginning 1977, covers tractors over 40 hp. only.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: National Financial Summary*, annual. Also in *Agricultural Statistics*, annual.

Agriculture

NO. 1134. SUPPLY AND USE OF FERTILIZER: 1970 TO 1985

(For years beginning July 1)

ITEM	UNIT	1970-1974, annual avg.	1975- 1979, annual avg.	1980	1981	1982	1983	1984	1985
Production	Mil. nutrient tons.....	20.9	24.9	29.3	29.7	25.5	22.6	24.5	26.5
Imports	Mil. nutrient tons.....	5.3	6.4	8.2	8.2	7.7	7.4	9.4	9.4
Exports	Mil. nutrient tons.....	3.2	5.3	7.6	8.4	6.9	6.5	6.9	9.3
Agricultural consumption	Mil. nutrient tons.....	17.6	20.7	23.1	23.7	21.4	18.1	21.8	21.7

Source: U.S. Dept. of Agriculture, Economic Research Service, *Agricultural Resources: Inputs Outlook and Situation Report*, periodic.

NO. 1135. HIRED FARMWORKERS—WORKERS AND EARNINGS: 1970 TO 1983

(Represents persons 14 years old and over in the civilian noninstitutional population who did hired farmwork at any time during the year. Based on Current Population Survey; see text, section 1 and Appendix III. For composition of regions, see fig. I, inside front cover. For definition of median, see Guide to Tabular Presentation.)

CHARACTERISTIC	WORKERS (1,000)								MEDIAN EARNINGS PER DAY						
	1970	1975	1981	1983					1970	1975	1981	1983			
				Total	Duration of farmwork										
					Under 25 days	25-74 days	75-149 days	150-249 days	250 days and over						
All workers.....	2,488	2,638	2,492	2,595	973	451	397	386	349	\$9.30	\$14.80	\$23.83	\$25.52		
White ¹	1,940	1,907	1,824	1,888	816	382	230	235	246	9.70	14.75	21.79	24.18		
Black and other ¹	547	446	340	376	90	72	85	80	49	8.00	13.90	23.92	27.58		
Hispanic	(NA)	285	328	331	66	57	83	70	55	(NA)	17.10	29.46	34.64		
Northeast.....	241	227	204	191	58	36	40	25	31	9.95	14.00	20.13	21.89		
Midwest.....	590	674	688	687	343	124	83	88	69	9.20	14.45	23.68	20.47		
South.....	1,093	1,074	1,004	995	378	182	159	132	144	8.35	14.10	20.76	25.17		
West.....	584	664	595	722	193	148	195	140	106	11.75	18.00	29.80	32.58		
Migratory	196	188	115	226	36	52	62	49	29	(NA)	(NA)	(NA)	(NA)		
Nonmigratory	2,291	2,450	2,377	2,369	937	439	335	337	320	(NA)	(NA)	(NA)	(NA)		
14-17 years old.....	819	835	605	487	262	139	53	27	6	(NA)	10.35	17.03	18.07		
18-24 years old.....	539	733	760	794	343	152	139	88	72	(NA)	17.75	24.83	24.06		
25-34 years old.....	322	393	498	580	174	92	89	121	104	(NA)	21.95	27.48	30.01		
35-44 years old.....	254	219	236	289	67	47	44	53	77	(NA)	21.70	27.30	35.81		
45-54 years old.....	247	193	180	197	40	18	50	48	41	(NA)	19.40	24.49	30.15		
55-64 years old.....	173	144	104	168	47	23	21	42	35	(NA)	19.60	25.44	30.23		
65 years and over.....	133	120	108	80	40	21	-	6	13	(NA)	11.70	24.76	23.92		

¹ Represents zero. NA Not available. ² Beginning 1975, excludes persons of Hispanic origin. 1970 data not comparable with later years.

Source: U.S. Dept. of Agriculture, Economic Research Service, *The Hired Farm Working Force*, periodic.

NO. 1136. FARM LABOR—ANNUAL AVERAGE LABOR-HOURS PER UNIT OF PRODUCTION, SELECTED CROPS AND LIVESTOCK: 1960-1964 TO 1980-1984

[See also *Historical Statistics, Colonial Times to 1970*, series K 445-485]

CROP	1960-1964	1970-1974	1980-1984	CROP AND LIVESTOCK				1960-1964	1970-1974	1980-1984
Corn for grain: Hours per acre ¹	7.0	4.3	3.2	Tobacco: Hours per acre ²				493	298	228
Yield per acre (bu.)	62.2	84.0	101.4	Yield per acre (1,000 lb.)				1.8	2.0	2.1
Hours per 100 bushel.....	11	5	3	Hours per 100 lb.				26	14	11
Wheat: Hours per acre ¹	3.0	2.9	2.6	Milk cows: Hours per cow				93	62	30
Yield per acre (bu.)	25.2	31.0	36.2	Milk per cow (cwt)				75	101	123
Hours per 100 bushel.....	12	9	7	Hours per cwt of milk				1.2	.6	.2
Hay: Hours per acre ¹	5.0	3.7	3.1	Cattle, excl. milk cows:						
Yield per acre (sh. tons)	1.77	2.12	2.38	Hours per cwt of beef produced ³				2.6	1.7	1.0
Hours per sh. ton.....	2.8	1.8	1.3	Hours per cwt of pork produced ³				1.9	1.0	.3
Potatoes: Hours per acre ¹	48.0	41.6	33.9	Chickens: Hours per 100 layers				126	78	48
Yield per acre (cwt)	195	234	274	Rate of lay ⁴ .....				.6	.3	.2
Hours per sh. ton	5	4	3	Hours per 100 eggs produced				212	225	244
Cotton: Hours per acre ¹	47	18	6	Hours per cwt produced ³				3	1	.4
Yield per acre (lb.)	475	470	524	Turkeys: Hours per cwt produced ³ .....				.8	.3	.1
Hours per bale.....	47	18	5					2.4	.8	.3

¹ Labor-hours per acre harvested, including pre-harvest work on acreages abandoned, grazed, and turned under. ² Per acre planted and harvested. ³ Liveweight production. ⁴ Laying flocks and eggs. ⁵ Eggs produced during year divided by average number of hens and pullets of laying age on hand during year.

Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

Farm Productivity

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No. 1137. FARM PRODUCTIVITY—LABOR-HOURS AND INDEXES OF FARM OUTPUT PER HOUR: 1960 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series K 407-413, K 430-444, and W 67-81]

ITEM	1960	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985, prev.
Hours of labor required on farms ¹ (bil.)	9.8	5.9	5.0	4.8	4.4	4.3	4.3	4.2	4.0	3.7	3.8	3.8
All productive livestock (bil.)	3.8	2.3	1.7	1.6	1.4	1.3	1.3	1.2	1.1	1.1	1.0	.9
All crops (bil.)	^a 4.6	2.8	2.6	2.6	2.4	2.4	2.4	2.4	2.4	2.1	2.3	2.2
Farm maintenance (bil.)	^a 1.4	.8	.7	.6	.6	.6	.6	.6	.5	.5	.5	.5
INDEX (1977 = 100)												
Farm output per hour	37	68	89	94	108	119	113	131	133	122	138	155
All livestock and products	32	64	85	93	109	117	129	136	143	154	162	175
Meat animals	40	67	87	84	108	117	127	136	138	149	153	163
Milk cows	27	57	81	91	109	122	135	150	164	187	212	244
Poultry	25	55	81	94	109	119	125	135	142	152	162	173
All crops	41	70	89	91	105	118	105	121	124	105	123	136
Feed grains	33	62	90	95	111	125	107	132	136	96	133	149
Hay and forage	43	74	94	90	109	116	109	122	128	122	132	135
Food grains	73	93	101	98	104	115	116	129	129	131	140	142
Vegetables	69	91	93	100	104	109	113	119	120	119	117	123
Fruits and nuts	61	84	97	101	103	104	112	108	115	115	116	119
Sugar crops	52	79	97	100	103	103	104	111	109	106	108	109
Cotton	13	31	57	70	100	132	103	145	149	141	172	194
Tobacco	46	79	97	101	109	99	104	117	122	106	129	137
Oil crops	52	72	68	84	98	110	80	110	113	96	109	133
Cropland used for crops ⁴	94	88	97	98	97	100	101	102	101	88	99	98
Crop production per acre	77	88	96	94	105	113	100	115	116	100	112	118

¹ Represents labor used on crops, livestock, and farm maintenance.

² Includes work on farm gardens.

³ Includes work on horses and mules.

⁴ Harvested acreages plus acreages of crop failure and summer fallow.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

No. 1138. FARM OUTPUT INDEXES AND ACREAGE OF PRINCIPAL CROPS: 1960 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series K 414-429]

ITEM	1960	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985, prev.
INDEX (1977 = 100)												
Farm output ¹	76	84	95	97	104	111	104	118	116	96	112	119
Per unit of total input	77	87	99	98	102	105	101	116	117	101	117	121
Gross production:												
Livestock and products ²	82	99	95	99	101	104	108	109	107	109	107	110
Meat animals	80	102	97	100	100	103	107	106	101	104	101	101
Dairy products	95	95	94	98	99	101	105	108	110	114	110	117
Poultry and eggs	68	93	92	98	106	114	115	119	119	120	123	128
Crops ³	72	77	93	92	102	113	101	117	117	88	111	116
Feed grains	69	71	91	96	108	116	97	121	122	67	116	133
Hay and forage	83	92	100	94	105	108	98	106	109	100	107	106
Food grains	66	69	108	-107	93	108	121	144	138	117	129	121
Vegetables	88	96	97	99	103	107	104	111	116	107	117	122
Fruits and nuts	69	81	98	96	99	105	119	111	113	110	114	108
Sugar crops	60	95	114	112	101	94	97	107	96	93	95	97
Cotton	102	72	58	74	76	102	79	109	85	55	91	94
Tobacco	102	100	114	112	106	80	93	108	104	75	90	81
Oil crops	38	66	86	74	105	129	99	114	121	91	106	117
ACREAGE, PRINCIPAL CROPS (millions of acres)												
Planted or grown	324	283	336	337	338	348	352	366	362	306	348	343
Harvested	317	289	330	390	330	340	342	351	347	294	337	334

¹ Annual production available for eventual human use. ² Includes livestock products not shown separately and excludes horses and mules. ³ Includes crops not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics*, annual. Also in *Agricultural Statistics*, annual.

Agriculture

NO. 1139. AGRICULTURAL EXPORTS AND IMPORTS—VALUE: 1960 TO 1985

[In billions of dollars, except percent. Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products). Includes shipments under foreign aid programs. See also *Historical Statistics, Colonial Times to 1970*, series K 251-255.]

YEAR OR PERIOD	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports	YEAR	Trade balance	Exports, domestic products	Percent of all exports	Imports for consumption	Percent of all imports
1960-1964, avg....	1.5	5.4	24	3.9	24	1976.....	12.0	23.0	20	11.0	9
1965-1969, avg....	1.7	6.3	20	4.6	16	1977.....	10.2	23.6	20	13.4	9
1970-1974, avg....	5.5	12.8	21	7.3	12	1978.....	14.6	29.4	21	14.8	9
1975-1979, avg....	13.5	26.5	20	13.0	11	1979.....	18.0	34.7	19	16.7	8
1980-1984, avg....	21.9	39.0	18	17.1	6	1980.....	23.9	41.2	19	17.4	7
1970.....	1.5	7.3	17	5.8	15	1981.....	26.6	43.3	19	16.8	6
1971.....	1.9	7.7	18	5.8	13	1982.....	21.3	36.6	18	15.3	6
1972.....	2.9	9.4	19	6.5	12	1983.....	19.5	36.1	18	16.6	6
1973.....	9.3	17.7	25	8.4	12	1984.....	18.5	37.8	18	19.3	6
1974.....	11.7	21.9	23	10.2	10	1985.....	9.1	29.0	14	20.0	6
1975.....	12.6	21.9	21	9.3	10						

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual, and *Foreign Agricultural Trade of the United States*, Jan.-Feb. issues. Also in *Agricultural Statistics*, annual.

NO. 1140. AGRICULTURAL EXPORTS—VALUE, BY PRINCIPAL COMMODITIES AND SELECTED COUNTRIES OF DESTINATION: 1970 TO 1985

[See headnote, table 1139. Data by country of destination not adjusted for transshipments prior to 1982]

COMMODITY AND COUNTRY	VALUE (mil. dol.)									PERCENT		
	1970	1975	1980	1981	1982	1983	1984	1985	1970	1980	1985	
Total agricultural exports.....	7,255	21,859	41,233	43,939	36,827	36,099	37,804	29,028	100.0	100.0	100.0	
Grains and feeds ¹	2,720	11,932	19,117	20,458	15,687	16,250	17,183	11,866	37.5	46.4	40.9	
Feed grains and products.....	1,093	5,283	9,831	8,494	6,627	7,951	8,204	6,095	15.1	23.8	21.0	
Corn.....	818	4,422	8,492	7,935	5,582	6,867	6,993	5,190	11.3	20.6	17.9	
Wheat and products.....	1,138	5,353	6,650	6,150	6,928	6,560	6,740	3,897	15.7	16.2	13.4	
Rice.....	313	858	1,289	1,527	997	926	845	665	4.3	3.1	2.3	
Oilsseeds and products ¹	1,931	4,452	9,393	9,555	9,141	8,716	8,369	5,793	26.6	22.8	20.0	
Soybeans.....	1,228	2,865	5,860	6,186	6,218	5,913	5,418	3,732	16.9	14.3	12.9	
Soybean oil cake and meal.....	344	639	1,665	1,589	1,411	1,527	997	870	4.7	4.0	3.0	
Vegetable oils and waxes.....	295	635	1,216	1,077	952	888	1,270	869	4.1	2.9	3.0	
Soybean oil.....	194	289	609	474	486	424	757	431	2.7	1.7	1.5	
Animals and animal products ¹	865	1,686	3,768	4,239	3,935	3,787	4,228	4,149	11.9	9.1	14.3	
Hides and skins, incl. furskins.....	187	407	1,046	1,024	1,022	1,010	1,383	1,285	2.6	2.5	4.5	
Cattle hides.....	130	280	623	617	704	742	1,086	1,007	1.8	1.5	3.5	
Meats and meat products.....	132	432	880	987	978	916	928	905	1.8	2.2	3.1	
Fats, oils, and greases.....	246	360	769	780	663	600	698	619	3.4	1.9	2.1	
Poultry and poultry products.....	82	157	603	770	815	428	415	384	1.1	1.5	1.3	
Cotton, excluding linters.....	372	991	2,864	2,260	1,955	1,817	2,441	1,633	5.1	6.9	5.6	
Tobacco, unmanufactured.....	517	852	1,334	1,457	1,547	1,462	1,511	1,521	7.1	3.2	5.2	
Fruits and preparations.....	334	699	1,335	1,497	1,376	1,349	1,243	1,186	4.6	3.2	4.1	
Fresh fruits.....	164	404	739	855	796	829	758	743	2.3	1.8	2.6	
Vegetables and preparations.....	219	505	1,168	1,553	1,174	980	1,002	930	3.0	2.9	3.2	
Nuts and preparations.....	69	169	757	581	541	496	604	683	1.0	1.8	2.4	
Other.....	232	573	1,477	1,741	1,271	1,242	1,243	1,265	3.2	3.6	4.4	
Asia ²	2,717	7,620	14,886	15,777	13,674	14,058	14,907	11,191	37.5	36.1	38.5	
Japan.....	1,214	3,082	6,111	6,562	5,555	6,251	6,782	5,409	16.7	14.8	18.6	
Korea, Rep. of.....	224	830	1,797	2,008	1,581	1,840	1,650	1,413	3.1	4.4	4.9	
China: Mainland.....	(z)	80	2,210	1,956	1,505	544	613	157	(z)	5.4	.5	
Taiwan.....	134	565	1,095	1,145	1,155	1,308	1,458	1,231	1.9	2.7	4.2	
Western Europe ^{2,3}	2,534	7,164	11,744	11,905	11,463	9,998	8,837	6,938	34.9	28.5	23.9	
European Economic Community ⁴	2,133	5,704	9,236	9,059	8,397	7,374	6,529	5,204	29.4	22.4	17.8	
Netherlands.....	526	1,722	3,412	3,301	3,085	2,576	2,323	1,870	7.3	8.3	6.4	
Germany, Fed. Rep. of.....	529	1,564	1,831	1,759	1,446	1,529	1,065	944	7.3	4.4	3.3	
United Kingdom.....	411	588	928	960	915	823	754	604	5.7	2.3	2.1	
Italy.....	210	798	1,094	1,181	989	731	806	669	2.9	2.7	2.3	
France.....	164	406	748	624	625	485	507	403	2.3	1.8	1.4	
Spain ⁵	143	776	1,129	1,267	1,681	1,264	1,029	837	2.0	2.7	2.9	
Portugal ⁶	35	281	608	757	578	660	698	438	.5	1.5	1.5	
Latin America ⁵	688	2,274	6,150	6,367	4,438	5,213	5,263	4,224	9.5	14.9	14.5	
Mexico.....	155	586	2,488	2,432	1,156	1,942	1,993	1,439	2.1	8.0	5.0	
Venezuela.....	98	277	701	893	671	665	783	638	1.4	1.7	2.2	
Soviet Union.....	16	1,193	1,047	1,665	1,871	1,473	2,878	1,908	.2	2.5	6.6	
Eastern Europe.....	169	616	2,071	1,654	847	839	758	479	2.3	5.0	1.7	
Canada.....	826	1,304	1,852	1,989	1,820	1,844	1,963	1,622	11.4	4.5	5.6	
Africa ²	254	1,134	2,179	2,768	2,238	2,458	2,972	2,487	3.5	5.3	6.6	
Egypt.....	26	425	770	967	603	970	909	891	.4	1.9	3.1	
Oceania.....	54	109	189	240	271	216	226	177	.7	.5	.6	

Z Less than \$500,000 or .05 percent. ¹ Includes commodities not shown separately. ² Includes areas not shown separately. ³ As of Jan. 1, 1982, includes Canary Islands and Madeira Islands. For consistency, data for all years are shown on same basis. ⁴ Includes Belgium, Luxembourg, Denmark, Greece, and Ireland. As of Jan. 1, 1973, United Kingdom, Denmark, and Ireland became members of EEC. As of Jan. 1, 1981, Greece became a member of EEC. For consistency, data for all years are shown on same basis. ⁵ As of Jan. 1, 1984, includes Canary Islands. ⁶ As of Jan. 1, 1984, includes Madeira Islands.

Source: U.S. Dept. of Agriculture, Economic Research Service, *U.S. Foreign Agricultural Trade Statistical Report*, annual. Also in *Agricultural Statistics*, annual.

Exports—Food for Peace Programs

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No. 1141. AGRICULTURAL EXPORTS—VALUE, BY LEADING STATES: 1985

[In millions of dollars. For year ending September 30]

COMMODITY	Total value	FIVE LEADING STATES									
		1		2		3		4		5	
		State	Value	State	Value	State	Value	State	Value	State	Value
All commodities	31,186.7	CA	2,701.7	IA	2,469.1	IL	2,338.7	TX	2,031.0	NE	1,762.3
Feed grains and products	7,584.9	IA	1,358.3	IL	1,194.9	NE	902.8	MN	669.5	IN	663.7
Soybeans and products	5,267.7	IL	804.3	IA	748.0	MN	489.5	IN	424.8	OH	389.5
Wheat and products	4,525.8	ND	805.5	KS	797.3	OK	352.8	TX	275.9	SD	220.0
Cotton	1,966.8	TX	562.1	CA	441.4	MS	250.0	AZ	178.6	LA	160.0
Tobacco	1,587.9	NC	754.2	KY	270.4	SC	137.9	VA	135.0	GA	111.7
Hides and skins	1,324.6	TX	202.3	KS	174.4	NE	173.1	IA	83.7	CO	67.2
Fruits and preparations	1,200.1	CA	679.7	FL	236.8	WA	96.3	AZ	41.7	MI	25.4
Live animals and meat products	1,160.9	TX	160.9	NE	134.2	KS	130.0	KY	100.9	IA	93.3
Vegetables and preparations	945.8	CA	407.1	WA	110.4	MI	50.7	ID	50.5	WI	45.3
Rice	877.1	AR	280.7	CA	112.7	TX	110.4	LA	109.1	MS	45.4

¹ Includes other commodities not shown separately.

Source: U.S. Dept. of Agriculture, Economic Research Service, unpublished data.

No. 1142. U.S. SALES AND DONATIONS UNDER FOOD FOR PEACE (PUBLIC LAW 480) PROGRAMS, TOTAL, 1954 TO 1985, AND BY SELECTED COUNTRY, 1985

[In millions of dollars. For fiscal years ending in year shown; see text, section 10]

YEAR	Total	Title I sales (loans) ¹	TITLE II DONATIONS			COUNTRY	1985	
			Total	Voluntary relief agencies	Emergency relief and other ²		Sales	Donations
1954–1985, total	38,620	23,474	15,146	9,443	5,703	Total ³ ...	984.0	1,068.0
1970	1,142	711	432	181	250	Egypt	213.8	13.2
1975	1,328	868	461	266	194	Sudan	64.5	88.8
1978	1,228	767	461	319	143	Bangladesh	94.5	35.2
1979	1,287	746	541	374	167	India	—	102.3
1980	1,436	843	593	340	253	Ethiopia	—	86.9
1981	1,542	774	768	471	297	Pakistan	56.1	30.1
1982	1,314	690	624	456	168	Morocco	55.0	10.1
1983	1,373	773	600	422	178	El Salvador	49.0	8.8
1984	1,524	784	740	523	217	Philippines	40.0	11.5
1985	2,052	984	1,068	749	319	Indonesia	36.0	8.4
						Dominican Republic	40.5	1.9
						Jamaica	40.0	.4

¹ Represents zero.

² Includes Title III, Food for Development program.

³ Includes economic development and world food programs.

³ Includes other countries not shown separately.

Source: U.S. Agency for International Development, *U.S. Overseas Loans and Grants and Assistance From International Organizations*, annual.

No. 1143. SELECTED FARM PRODUCTS—U.S. AND WORLD PRODUCTION AND EXPORTS: 1982 TO 1984

[In metric tons, except as indicated. Production year, except as indicated. Metric ton=1.102 short tons or .884 long tons]

ITEM	Unit	AMOUNT						U.S. AS PERCENT OF WORLD		
		U.S.			World			1982	1983	1984
		1982	1983	1984	1982	1983	1984			
PRODUCTION¹										
Wheat	Mil.	75	66	71	479	491	516	15.7	13.4	13.6
Corn for grain	Mil.	209	106	195	499	346	457	47.6	30.6	42.7
Soybeans	Mil.	59.6	44.5	50.6	93.5	82.9	92.6	63.7	53.7	54.6
Rice, rough	Mil.	7.0	4.5	6.3	420	453	467	1.7	1.0	1.3
Tobacco, unmanufactured ²	1,000.	905	649	784	6,882	6,050	6,513	13.1	10.7	12.0
Vegetable oils	Mil.	6.6	5.8	6.3	42.2	41.0	45.0	15.6	14.1	14.0
Cotton	Mil. bales ³	12.0	7.8	13.0	68.1	67.7	86.8	17.5	11.4	14.9
EXPORTS⁴										
Wheat ⁵	Mil.	38.9	38.9	38.8	98.7	102.0	115.7	40.4	38.1	33.5
Corn	Mil.	47.5	47.4	47.4	63.4	60.7	73.2	74.9	78.1	84.8
Soybeans	Mil.	24.6	20.2	16.3	28.6	26.1	25.2	86.0	77.4	64.6
Rice, milled basis	Mil.	2.2	2.3	2.1	11.8	11.9	12.6	18.6	19.3	16.7
Tobacco, unmanufactured ⁶	1,000.	259	238	246	1,458	1,368	1,424	17.8	17.4	17.3
Vegetable oils	Mil.	1.6	1.4	1.2	13.2	12.7	14.5	12.1	11.0	8.3
Cotton	Mil. bales ³	5.2	6.8	6.2	19.4	19.2	20.3	26.8	35.4	30.5

¹ Production years vary by commodity. In most cases, includes harvests from July 1 of the year shown through June 30 of the following year. ² Farm sales weight basis. ³ Bales of 480 lb. net weight. ⁴ Trade years may vary by commodity.

⁵ Includes wheat flour on a grain equivalent. ⁶ Redried weight basis.

Source: U.S. Department of Agriculture, Foreign Agricultural Service, *Foreign Agricultural Commodity Circular Series*, periodic.

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NO. 1144. SELECTED FARM PRODUCTS—PRODUCTION AND EXPORTS: 1970 TO 1985

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Corn for grain: Production	Mil. bu.	4,152	5,841	7,268	7,928	6,639	8,119	8,235	4,175	7,674	8,865
Exports ¹	Mil. bu.	517	1,711	2,133	2,433	2,355	2,010	1,834	1,901	1,865	1,225
Percent of production		12.5	29.3	29.3	30.7	35.5	24.6	22.3	48.5	24.3	13.8
Soybeans, for beans: Production	Mil. bu.	1,127	1,548	1,869	2,261	1,798	1,989	2,190	1,636	1,661	2,099
Exports ¹	Mil. bu.	434	555	2 ² 739	875	724	929	905	743	598	750
Percent of production		38.5	35.9	39.5	38.7	40.3	46.7	41.3	45.4	32.1	35.7
Wheat: Production	Mil. bu.	1,352	2,127	1,776	2,134	2,391	2,785	2,765	2,420	2,595	2,425
Exports ¹	Mil. bu.	741	1,173	1,194	1,375	1,514	1,771	1,509	1,429	1,424	915
Percent of production		54.8	55.2	67.2	64.4	63.6	63.6	54.6	59.0	54.9	37.7
Cotton: Production	Mil. bales ³	10.2	8.3	10.9	14.6	11.1	15.6	12.0	7.8	13.0	13.4
Exports ¹	Mil. bales ³	3.9	3.3	6.2	9.2	5.9	6.6	5.2	6.8	6.2	2.0
Percent of production		38.2	39.3	56.9	63.0	53.2	42.3	43.3	87.2	47.7	14.8
Tobacco: ⁴ Production	Mil. lb.	1,906	2,182	2,054	1,527	1,786	2,064	1,994	1,429	1,728	1,513
Exports ¹	Mil. lb.	639	655	765	694	649	697	628	595	666	644
Percent of production	Percent	33.5	30.0	37.2	45.4	36.3	33.8	31.5	41.6	38.5	42.6

¹ Represents marketing year for each product.² Based on inspections for export.³ 480 lb. net weight bales.⁴ Farm sales weight.Source: U.S. Dept. of Agriculture, Economic Research Service. In *Agricultural Statistics*, annual.

NO. 1145. CROPS—ACREAGE AND VALUE, 1983 TO 1985, AND ORDER OF VALUE, 1985, BY STATE

STATE	ACREAGE HARVESTED (1,000)			FARM VALUE (mil. dol.)			Crops in order of value, 1985	
	1983	1984	1985, prel.	1983	1984	1985, prel.		
U.S. ¹	293,944	335,732	331,001	70,183	79,389	75,480	(x) Corn, soybeans, hay, wheat.	
AL	3,528	3,656	3,340	651	774	693	31 Soybeans, cotton lint, peanuts, hay.	
AZ	678	895	809	878	805	737	30 Cotton lint, hay, lettuce, cotton seed.	
AR	7,821	8,507	7,783	1,398	1,658	1,480	19 Soybeans, rice, cotton lint, sorghum.	
CA	4,839	5,764	5,620	7,102	8,218	7,478	1 Cotton lint, grapes, hay, tomatoes.	
CO	6,094	6,686	6,877	1,163	1,179	1,188	22 Wheat, corn, hay, barley.	
CT	142	150	151	60	68	72	47 Tobacco, corn, hay, mushrooms, apples.	
DE	540	539	556	139	134	124	44 Corn, soybeans, potatoes, green peas.	
FL	1,208	1,332	1,357	2,443	2,432	2,222	12 Oranges, tomatoes, sugarcane ² , grapefruit.	
GA	5,218	5,652	5,096	1,405	1,664	1,341	20 Peanuts, corn, soybeans, tobacco.	
HI	99	95	89	425	403	398	41 Sugarcane ² , pineapple, macadamia nuts, papayas.	
ID	4,490	4,835	4,739	1,593	1,508	1,147	23 Potatoes, hay, barley, wheat.	
IL	20,090	23,496	23,123	4,727	5,594	6,304	2 Corn, soybeans, hay, wheat.	
IN	10,679	12,513	12,369	2,512	3,118	3,089	7 Corn, soybeans, hay, wheat.	
IA	19,973	24,724	25,040	4,979	5,666	5,954	3 Corn, soybeans, hay, oats.	
KS	19,345	21,355	21,847	2,739	2,874	2,940	8 Wheat, sorghum, hay, corn.	
KY	4,980	5,674	5,492	1,208	2,004	1,686	16 Tobacco, corn, hay, soybeans.	
LA	4,583	4,895	4,629	1,165	1,204	799	29 Soybeans, cotton lint, rice, sugarcane ² .	
ME	394	384	401	188	142	134	42 Potatoes, hay, apples, oats.	
MD	1,530	1,622	1,648	368	453	398	35 Corn, soybeans, hay, tobacco.	
MA	166	169	164	141	163	162	40 Cranberries, hay, apples, sweet corn.	
MI	6,220	7,730	7,695	1,796	1,813	1,802	15 Corn, hay, soybeans, wheat.	
MN	17,610	20,761	20,446	3,660	4,113	3,878	4 Corn, soybeans, hay, wheat.	
MS	5,568	6,291	5,608	1,059	1,253	1,134	24 Cotton lint, soybeans, sorghum, rice.	
MO	12,773	14,514	14,259	1,861	2,072	2,446	10 Soybeans, corn, hay, sorghum.	
MT	8,708	9,183	7,615	1,005	851	498	34 Hay, wheat, barley, potatoes.	
NE	15,079	18,584	18,544	2,933	3,482	3,708	6 Corn, soybeans, sorghum, hay.	
NV	594	596	565	152	130	123	45 Hay, potatoes, barley, wheat.	
NH	112	112	113	28	29	30	48 Hay, apples.	
NJ	455	472	467	192	211	216	38 Hay, corn, tomatoes, peaches.	
NM	1,137	1,310	1,389	334	365	336	36 Hay, wheat, sorghum, corn.	
NY	3,804	4,038	4,057	1,062	1,025	904	27 Hay, corn, apples, potatoes.	
NC	4,692	6,404	5,454	1,839	2,224	1,882	14 Tobacco, corn, soybeans, peanuts.	
ND	18,432	20,975	20,535	2,010	2,338	2,133	13 Wheat, barley, hay, sunflower.	
OH	9,081	10,608	10,855	2,241	2,648	2,716	9 Corn, soybeans, hay, wheat.	
OK	7,479	8,677	9,024	989	1,135	1,038	26 Wheat, hay, cotton lint, sorghum.	
OR	2,688	2,721	2,740	968	968	901	28 Hay, wheat, potatoes, pears.	
PA	4,316	4,546	4,571	1,158	1,340	1,202	21 Corn, hay, mushrooms, apples.	
RI	18	17	17	7	7	6	49 Potatoes, hay, apples.	
SC	2,609	2,912	2,786	592	733	626	33 Tobacco, soybeans, corn, cotton lint.	
SD	13,558	16,270	15,376	1,459	1,748	1,611	18 Corn, wheat, hay, soybeans.	
TN	4,963	5,406	5,148	823	1,157	1,043	25 Soybeans, tobacco, corn, hay.	
TX	17,950	20,036	21,234	3,516	3,832	3,855	5 Cotton lint, wheat, hay, sorghum.	
UT	1,070	1,109	1,131	286	250	236	37 Hay, barley, wheat, apples.	
VT	539	537	540	89	85	84	46 Hay, apples, potatoes.	
VA	2,913	3,116	3,008	630	883	686	32 Tobacco, hay, corn, soybeans.	
WA	4,643	4,769	5,052	1,984	2,020	1,886	17 Wheat, apples, hay, potatoes.	
WV	766	769	734	105	139	125	43 Hay, apples, corn, tobacco.	
WI	8,466	9,424	9,241	2,155	2,239	2,256	11 Hay, corn, potatoes, oats.	
WY	1,835	1,904	1,763	261	258	203	39 Hay, barley, sugar beets, wheat.	

X Not applicable.

¹ Excludes Alaska.² For sugar and seed.³ Incomplete data.Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annual.

Crop Acreage—Production Costs—Price Supports

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NO. 1146. ACREAGES OF CROPS HARVESTED FOR SPECIFIED PURPOSES: 1960 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series K 496-499]

ITEM	UNIT	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985 ¹
Crops harvested ²	Mil. acres.....	² 324	293	336	345	338	348	352	366	362	306	348	343
Domestic use.....	Mil. acres.....	255	221	236	233	224	223	215	237	249	182	252	256
Per capita ⁴	Acres	1.41	1.08	1.09	1.08	1.00	.99	.94	1.03	1.07	.77	1.06	1.07
Exports.....	Mil. acres.....	64	72	100	112	114	125	137	129	113	124	96	87
Percent of total.....	Percent	19.8	24.6	29.8	32.5	33.7	35.9	38.9	35.2	31.2	40.5	27.6	25.4
Crop failure.....	Mil. acres.....	6	5	6	9	7	6	10	5	5	5	6	7

¹ Preliminary. ² Area in principal crops harvested as reported by Economic Research Service plus acreage in vegetables, fruits, tree nuts, and farm gardens. ³ Includes feed for horses and mules, not shown separately. ⁴ Based on Bureau of the Census estimated total population, including Armed Forces overseas, as of July 1.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Production and Efficiency Statistics, 1985*.

NO. 1147. PRODUCTION COSTS AND RETURNS FOR SELECTED CROPS: 1983 TO 1985

[In dollars per planted acre. Minus sign (–) indicates loss]

ITEM	CORN			SOYBEANS			WHEAT		
	1983	1984	1985	1983	1984	1985	1983	1984	1985
Total cash receipts.....	252.90	273.23	260.16	204.46	166.72	162.72	132.87	118.99	100.66
Total cash expenses.....	200.04	207.64	205.11	112.89	114.58	110.40	91.99	92.38	89.52
Variable expenses ¹	126.27	129.59	128.10 ²	58.71	58.18	54.10	54.39	52.76	49.80
Fixed expenses ²	73.77	78.05	77.01	54.18	56.40	56.30	37.80	39.62	39.72
Receipts less cash expenses	52.86	65.59	55.05	91.57	52.14	52.32	40.88	26.81	11.14
Capital replacement.....	33.56	33.96	33.70	24.50	24.13	23.80	21.02	20.88	20.30
Receipts less cash expenses and capital replacement.....	19.30	31.63	21.35	67.07	28.01	28.52	18.96	5.73	–0.16

¹ Includes expenses for seed, fertilizer, lime, chemicals, custom operations, fuel and lubrication, repairs, drying, purchased irrigation water, and management fees. ² Includes taxes and insurance, general overhead, and interest paid on land and non-land capital.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Economic Indicators of the Farm Sector: Costs of Production, 1985*.

NO. 1148. PRICE SUPPORT OPERATIONS—SELECTED COMMODITIES: 1982 TO 1985

[For explanation of price support operations, see text, section 23]

CROP AND YEAR	Sup- port or target price (dol. per bu)	Na- tional aver- age loan rate (dol. per bu)	QUANTITY UNDER SUPPORT ¹		CROP AND YEAR	Sup- port or target price	Na- tional aver- age loan rate	QUANTITY UNDER SUPPORT ¹	
			Amount (mil. bu)	Percent of produc- tion				Amount	Percent of produc- tion
Corn: ²					Cotton: ³		Cents		
1982.....	\$ 2.70	4.255	1,580	19	1982.....		per lb.	1,000 bales ⁴	
1983.....	3.288	2.65	162	4	1983.....		71.0	5.007	42
1984.....	3.03	2.55	1,097	14	1984.....		76.0	1.744	22
1985.....	3.03	2.55	3,050	34	1985.....		81.0	5.957	23
Soybeans: ⁴					Sorghum: ⁵		81.0	5.727	55
1982.....	(X)	5.02	397	18	1982.....		4.64	10.432	29
1983.....	(X)	5.02	101	6	1983.....		4.86	4.50	3
1984.....	(X)	5.02	278	15	1984.....		5.14	4.32	7
1985.....	(X)	5.02	520	25	1985.....		5.14	4.32	210
Wheat: ⁶					Rice: ⁸		Dol.	per cwt.	
1982.....	4.05	3.55	646	23	1982.....		10.85	8.14	42
1983.....	4.30	3.65	635	26	1983.....		11.40	8.14	40
1984.....	4.38	3.30	284	11	1984.....		11.90	8.00	58
1985.....	4.38	3.30	830	34	1985.....		11.90	8.00	75

X Not applicable. ¹ Represents loans made, purchases, and purchase agreements entered into. ² For years beginning October 1. ³ Guaranteed on normal production from participating farms. ⁴ National average loan rate for corn put into farmer-owned reserve was \$2.90 in 1982. ⁵ Preliminary. ⁶ For years beginning September 1. ⁷ For years beginning June 1. ⁸ For years beginning August 1. ⁹ Bales of 480 lb. net weight. ¹⁰ National average loan rate for grain sorghum put into the farmer-owned reserve was \$4.91 in 1982.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service. Data published in *Agricultural Statistics*, annual.

Agriculture

NO. 1149. PRINCIPAL CROPS—PRODUCTION, SUPPLY AND DISAPPEARANCE: 1981 TO 1985

[Marketing year beginning May 1 for hay, June 1 for wheat and barley, August 1 for cotton and rice, September 1 for soybeans, corn, and sorghum. Acreage, production, and yield of all crops periodically revised on basis of census data. See also *Historical Statistics, Colonial Times to 1970*, series K 506-563.]

CROP AND YEAR	Acreage harvested (mil.)	Yield per acre	Production	Farm price ¹	Farm value ² (mil. dol.)	Total supply ³	DISAPPEARANCE		Ending stocks
							Total ⁴	Exports	
Corn for grain:									
1981	74.5	108.9	8,119	\$/bu.	2,50	20,200	9,512	6,975	2,010
1982	72.7	113.2	8,235	2.68	22,039	10,772	7,249	1,834	3,523
1983	51.5	81.1	4,175	3.25	13,535	7,700	6,694	1,901	1,006
1984	71.9	106.7	7,674	2.62	20,085	8,684	7,036	1,865	1,648
1985	75.1	118.0	8,865	2.41	21,327	10,518	6,505	1,225	4,013
Soybeans for beans:									
1981	66.2	30.1	1,989	\$/bu.	6.04	12,005	2,302	2,048	929
1982	69.4	31.5	2,190	5.69	12,463	2,444	2,099	905	345
1983	62.5	26.2	1,636	7.81	12,775	1,981	1,805	743	176
1984	66.1	28.1	1,861	5.78	10,748	2,037	1,721	588	318
1985	61.6	34.1	2,099	5.16	10,823	2,415	1,890	750	525
Hay:									
1981	59.6	2.39	143	\$/ton	67.30	9,181	167.9	142.9	(NA)
1982	59.8	2.50	149	69.30	9,530	174.2	146.1	(NA)	28.1
1983	59.7	2.36	141	75.80	9,967	168.9	148.8	(NA)	20.1
1984	61.4	2.45	151	72.70	10,204	170.9	144.0	(NA)	26.9
1985	60.6	2.46	149	69.10	9,706	175.9	(NA)	(NA)	(NA)
Wheat:									
1981	80.6	34.5	2,785	\$/bu.	3.66	10,172	9,777	2,618	1,771
1982	77.9	35.5	2,765	3.65	9,813	9,932	2,417	1,509	1,615
1983	61.4	39.4	2,420	3.53	8,533	9,393	2,540	1,429	1,399
1984	66.9	38.8	2,595	3.38	8,755	4,003	2,578	1,424	1,425
1985	64.7	37.5	2,425	3.16	7,652	3,865	1,965	915	1,900
Cotton:									
1981	13.8	542	7 15.6	\$/lb.	54.3	4,075	18,340	11,831	6,567
1982	9.7	590	7 12.0	59.4	3,410	16,615	10,720	5,207	7,937
1983	7.3	508	7 7.8	66.4	2,478	15,721	12,714	6,786	2,775
1984	10.4	600	7 13.0	57.8	3,603	15,781	11,755	6,215	4,102
1985	10.2	630	7 13.4	54.8	3,531	17,676	8,205	2,000	9,569
Tobacco: ⁶									
1981	1.0	2,113	2,064	\$/lb.	1.71	3,520	5,323	1,762	697
1982	.9	2,185	1,994	1.76	3,519	5,487	1,663	628	3,824
1983	.8	1,811	1,429	1.75	2,496	5,330	1,534	595	3,796
1984	.8	2,183	1,728	1.81	3,121	5,472	1,623	666	3,849
1985	.7	2,196	1,513	1.65	2,489	5,318	1,596	644	3,722
Sorghum for grain:									
1981	13.7	64.0	876	\$/bu.	2.38	2,079	903	666	260
1982	14.1	59.1	835	2.52	2,091	1,082	695	210	387
1983	10.0	48.7	488	2.84	1,382	875	666	245	209
1984	15.4	56.4	866	2.39	2,055	1,075	869	297	206
1985	16.7	66.7	1,113	2.19	2,407	1,319	770	175	549
Barley:									
1981	9.0	52.4	474	\$/bu.	2.44	1,154	621	473	100
1982	9.0	57.2	516	2.22	1,143	675	458	47	217
1983	9.7	52.3	509	2.50	1,269	733	544	92	189
1984	11.2	53.4	599	2.26	1,356	799	551	77	247
1985	11.6	51.0	569	2.01	1,185	846	521	22	325
Rice, rough:									
1981	3.8	4,819	183	\$/cwt.	9.05	1,654	200	151	82
1982	3.3	4,710	154	8.11	1,247	203	132	69	71
1983	2.2	4,598	100	8.76	874	172	125	70	47
1984	2.8	4,954	138	8.06	1,119	187	123	62	65
1985	2.5	5,437	136	7.90	1,075	203	115	55	88

NA. Not available. ¹ Season average price received by farmers. State prices weighted by sales to obtain U.S. price. For certain years, prices for corn, soybeans, wheat, cotton, sorghum, rice, and barley included an allowance for unredeemed loans and purchase agreement deliveries. ² Values are based on season average prices; see footnote 1. ³ Comprises production, imports, and beginning stocks. ⁴ Includes feed, residual, and other domestic uses not shown separately. ⁵ Prices are for hay sold baled. ⁶ Bales of 480 pounds, net weight. ⁷ State production figures, which conform with U.S. Bureau of the Census annual ginning enumeration with allowance for cross-State ginnings, rounded to thousands and added for U.S. totals. ⁸ Stock estimates based on Census Bureau data which results in an unaccounted difference between supply and use estimates and changes in ending stocks. ⁹ Flue-cured and cigar wrapper, crop year July-June; all other types October-September. Farm-sale-weight basis.

Source: Production—U.S. Dept. of Agriculture, National Agricultural Statistics Service. In *Crop Production*, annual, *Field Crops* (Statistical Bulletin No. 708); *Crop Values* (Statistical Bulletin No. 729). Supply and disappearance—U.S. Dept. of Agriculture, Economic Research Service, *Feed Situation*, quarterly; *Fats and Oils Situation*, quarterly; *Wheat Situation*, quarterly; *Tobacco Situation*, quarterly; *Cotton and Wool Outlook Statistics*, periodic; and *Agricultural Supply and Demand Estimates*, periodic. All data are also in *Agricultural Statistics*, annual; and *Agricultural Outlook*, monthly.

Corn—Soybeans

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No. 1150. CORN FOR GRAIN—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1983 TO 1985

[See *Historical Statistics, Colonial Times to 1970*, series K 502-505, for U.S. data on corn for all purposes]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.) ¹			PRODUCTION (mil. bu.) ¹			PRICE ² (dol. per bu.)			FARM VALUE ² (mil. dol.)		
	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985
U.S. ³	51,483	71,915	75,134	81.1	106.7	118.0	4,175	7,674	8,885	3.25	2.62	2.41	13,535	20,085	21,327
AL	305	385	325	59.0	65.0	75.0	18	25	24	3.55	2.85	2.50	64	71	61
CA	280	375	320	128.0	136.0	145.0	33	51	46	4.05	3.40	3.20	134	173	148
CO	610	680	745	122.0	134.0	139.0	74	91	104	3.17	2.65	2.50	236	242	269
GA	735	985	975	75.0	82.0	84.0	56	81	82	3.64	2.99	2.60	201	242	212
IL	7,900	10,940	11,370	79.0	114.0	135.0	624	1,247	1,535	3.26	2.65	2.45	2,034	3,305	3,761
IN	4,870	6,030	6,150	73.0	117.0	123.0	341	706	756	3.30	2.60	2.40	1,125	1,834	1,815
IA	8,550	12,900	13,550	87.0	112.0	126.0	744	1,445	1,707	3.11	2.50	2.30	2,313	3,612	3,927
KS	920	955	1,080	93.0	125.0	130.0	86	119	140	3.25	2.77	2.50	278	331	351
KY	960	1,460	1,560	48.0	100.0	102.0	46	146	159	3.54	2.82	2.55	163	412	406
LA	56	82	205	90.0	115.0	114.0	5	9	23	3.80	3.35	2.60	18	32	61
MD	545	600	640	68.0	118.0	110.0	37	70	70	3.75	2.93	2.50	139	204	176
MI	1,800	2,620	2,730	92.0	84.0	105.0	168	220	287	3.20	2.56	2.35	530	563	674
MN	4,370	6,440	6,300	84.0	107.0	115.0	367	689	725	3.05	2.45	2.25	1,120	1,688	1,630
MO	4,430	4,190	2,480	51.0	80.0	110.0	73	154	273	3.40	2.68	2.35	248	414	641
NE	4,850	6,950	7,450	97.0	116.0	128.0	471	806	954	3.12	2.56	2.40	1,468	2,064	2,289
NY	600	670	720	90.0	91.0	95.0	54	61	68	3.52	2.85	2.55	190	174	174
NC	1,280	1,620	1,625	60.0	90.0	79.0	77	146	128	3.67	2.80	2.65	282	408	340
ND	435	630	560	67.0	88.0	72.0	29	42	40	3.02	2.54	2.30	88	106	93
OH	2,800	3,900	4,030	80.0	118.0	127.0	224	460	512	3.28	2.59	2.45	735	1,192	1,254
PA	1,050	1,350	1,380	69.0	110.0	110.0	72	148	152	3.75	2.93	2.70	272	420	410
SC	275	447	520	62.0	78.0	88.0	17	35	46	3.50	2.75	2.35	60	96	108
SD	1,970	2,780	3,000	53.0	67.0	84.0	104	186	252	3.03	2.44	2.25	316	455	567
TN	480	690	810	48.0	95.0	98.0	23	86	79	3.65	2.90	2.35	64	190	187
TX	1,080	1,550	1,490	97.0	93.0	105.0	105	144	157	3.39	3.03	2.70	355	437	422
VA	340	540	550	48.0	104.0	99.0	16	56	55	3.70	2.90	2.40	60	163	131
WA	110	150	135	160.0	155.0	160.0	18	23	22	3.62	3.00	2.65	64	70	57
WI	2,300	3,250	3,350	97.0	106.0	107.0	223	345	358	3.15	2.57	2.50	703	885	896

¹ 56 pounds per bushel. ² Season average price received by farmers. State prices weighted by sales to obtain U.S. prices. Includes an allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by State. ³ Includes other States not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annual.

No. 1151. SOYBEANS FOR BEANS—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1983 TO 1985

[See *Historical Statistics, Colonial Times to 1970*, series K 521, for U.S. totals]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bu.)			PRODUCTION (mil. bu.)			PRICE ¹ (dol. per bu.)			FARM VALUE ¹ (mil. dol.)		
	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985
Total ²	62,525	66,113	61,584	26.2	28.1	34.1	1,636	1,861	2,099	7.81	5.78	5.16	12,775	10,748	10,823
AL	1,500	1,370	1,030	20.0	21.0	27.0	30	29	28	7.80	6.06	5.10	234	174	142
AR	3,800	3,900	3,700	18.5	26.0	26.5	70	101	98	7.87	5.96	5.30	553	604	520
GA	2,000	2,000	1,550	21.0	20.0	24.0	42	40	37	7.59	5.98	4.80	318	238	179
IL	9,050	9,020	9,000	28.5	31.5	42.5	267	284	382	7.94	5.85	5.35	2,120	1,662	2,046
IN	3,950	4,350	4,460	31.0	34.5	41.5	122	150	185	7.96	5.87	5.15	975	881	953
IA	7,960	8,400	8,150	35.0	31.5	38.0	279	265	310	7.75	5.55	5.16	2,159	1,468	1,595
KS	1,520	1,590	1,410	16.0	17.5	31.0	24	28	44	7.79	5.74	5.08	169	160	221
KY	1,440	1,460	1,230	17.0	29.0	34.0	25	42	42	7.79	6.07	5.40	191	257	226
LA	2,620	2,430	2,100	26.0	27.5	21.0	68	67	44	7.77	6.00	5.05	520	401	223
MD	385	425	400	26.0	29.0	32.0	10	12	13	7.86	5.88	4.95	79	72	63
MI	1,040	1,190	1,080	32.5	27.0	32.0	34	32	35	7.82	5.73	5.05	264	184	175
MN	4,600	5,240	5,000	33.0	33.0	32.0	152	173	160	7.64	5.43	5.10	1,160	939	816
MS	3,100	3,200	2,620	19.0	24	27.0	59	77	71	7.85	6.04	5.30	462	464	375
MO	5,150	5,300	5,230	20.0	20.5	34.5	103	109	180	7.84	5.78	5.05	808	628	911
NE	2,070	2,550	2,360	26.5	26.0	36.0	59	68	65	7.64	5.55	5.00	451	368	425
NC	1,650	1,790	1,700	20.0	26.0	23.0	33	46	39	7.89	5.93	5.15	260	276	201
ND	530	740	490	27.0	23.0	26.0	14	17	13	7.34	5.51	4.90	105	94	62
OH	3,280	3,770	3,870	32.0	36.5	41.5	105	138	161	7.91	5.84	5.15	830	804	827
SC	1,430	1,490	1,230	16.5	20.0	20.0	24	30	25	7.79	5.98	5.08	184	178	124
SD	985	1,360	1,270	28.5	23.0	32.0	26	31	41	7.63	5.47	4.95	199	171	201
TN	1,970	1,850	1,460	16.0	26.0	31.0	32	48	45	7.96	5.94	5.10	251	286	231
VA	610	730	695	18.0	29.5	25.0	10	22	17	7.85	5.94	5.20	77	128	90
WI	395	450	300	35.0	31.0	32.0	14	14	10	7.60	5.63	4.80	105	79	.46

¹ Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by State. ² Includes other States not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annual.

Agriculture

No. 1152. WHEAT—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1983 TO 1985

[See *Historical Statistics, Colonial Times to 1970*, series K 506-508, for U.S. acreage, production, and price]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bushels) ¹			PRODUCTION bushels) ¹			PRICE ² (dal. per bu.)			FARM VALUE ² (mil. dol.)		
	1983	1984	1985, prel.	1983	1984	1985, prel.	1983	1984	1985, prel.	1983	1984	1985, prel.	1983	1984	1985, prel.
U.S. ^b	61,930	66,928	64,734	39	39	38	2,420	2,595	2,425	3.53	3.38	3.16	8,533	8,755	7,652
CA.....	680	784	830	69	79	83	46.6	61.8	68.9	4.04	3.71	3.44	188	229	237
CO.....	3,063	3,270	3,522	40	35	40	122.1	115.0	139.3	3.28	3.19	2.91	400	367	406
GA.....	910	890	825	34	35	31	30.9	31.2	25.6	3.24	3.20	2.85	100	100	73
ID.....	1,305	1,280	1,350	70	64	53	91.7	81.4	72.0	3.46	3.30	3.26	318	289	235
IL.....	1,400	1,600	750	46	44	48	64.4	70.4	36.8	3.36	3.27	3.05	216	230	112
IN.....	970	1,050	700	51	46	53	49.5	48.3	37.1	3.33	3.25	2.80	185	157	108
KS.....	10,800	11,200	11,400	42	39	38	448.2	431.2	433.2	3.46	3.32	3.05	1,551	1,432	1,321
MI.....	730	800	750	49	57	60	35.8	45.6	46.0	3.40	3.18	2.95	122	145	133
MN.....	2,140	2,553	2,683	37	47	53	78.0	120.7	142.4	3.82	3.41	3.23	301	412	459
MO.....	1,850	2,050	1,280	38	41	39	70.3	84.1	49.9	3.39	3.19	2.95	238	268	147
MT.....	4,455	4,840	3,968	31	23	13	136.8	104.7	50.2	3.67	3.52	3.55	503	368	178
NE.....	2,300	2,250	2,300	43	36	39	98.8	81.0	89.7	3.39	3.28	3.00	335	266	269
NC.....	470	620	760	34	43	29	16.0	26.7	22.0	3.07	3.35	3.00	49	89	66
ND.....	7,205	8,660	8,870	27	33	36	194.1	284.2	323.3	3.76	3.53	3.32	731	1,003	1,073
OH.....	1,200	1,100	950	49	44	62	58.8	48.4	58.9	3.38	3.31	3.00	199	160	177
OK.....	4,300	5,300	5,500	35	36	30	150.5	190.8	185.0	3.51	3.36	3.20	528	641	529
OR.....	1,085	1,115	1,055	60	62	53	65.6	68.9	56.0	3.69	3.47	3.40	242	239	191
SD.....	2,727	3,662	3,755	33	34	30	89.7	128.0	111.2	3.67	3.46	3.38	329	431	374
TX.....	4,800	5,000	5,850	35	30	32	161.0	150.0	187.2	3.55	3.39	3.10	572	509	580
WA.....	2,690	2,610	2,690	64	61	48	172.6	160.4	128.3	3.69	3.45	3.40	637	553	436

¹ 60 pounds per bushel.² See footnote 2, table 1150.³ Includes other States not shown separately.

No. 1153. COTTON—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1983 TO 1985

[Cotton production excludes linters. Values shown are for marketing season or crop year and should not be confused with calendar-year income. See *Historical Statistics, Colonial Times to 1970*, series K 553-558 for U.S. totals]

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (lb.)			PRODUCTION (1,000 bales) ¹			FARM PRICE PER LB. ² (cents)			FARM VALUE ² (mil. dol.)		
	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985
Total ^a	7,348	10,379	10,229	508	600	630	7,771	12,982	13,432	66.4	57.8	54.8	2,478	3,803	3,531
AL.....	215	307	329	409	699	795	183	447	545	65.7	56.3	53.8	58	119	141
AZ.....	313	479	415	1,183	1,187	1,198	772	1,185	1,037	70.2	62.2	57.2	260	354	285
AR.....	290	465	440	535	632	767	323	612	703	66.5	55.6	54.9	103	163	185
CA.....	950	1,400	1,320	998	991	1,132	1,971	2,913	3,114	72.8	66.8	58.5	689	934	874
GA.....	115	172	245	467	784	725	112	281	370	67.2	58.4	54.1	36	79	96
LA.....	410	645	630	626	786	565	532	1,056	742	65.4	54.3	54.6	187	275	194
MS.....	675	1,032	1,040	640	676	764	900	1,650	1,655	66.2	54.2	54.7	286	429	495
MO.....	93	162	150	377	554	653	73	187	204	68.5	57.9	55.0	24	52	54
TN.....	215	325	335	337	498	600	151	337	419	68.5	56.2	53.2	50	91	107
TX.....	3,572	4,719	4,668	324	377	406	2,412	3,710	3,945	59.9	52.8	51.8	694	940	981

¹ Bales of 480 lb net weight. ² Includes allowance for unredeemed loans in 1983 and 1984. For 1985, average price to April 1, 1986, with no allowance for unredeemed loans. ³ Includes other States not shown separately.

No. 1154. TOBACCO—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1983 TO 1985

[See *Historical Statistics, Colonial Times to 1970*, series K 561-563, for U.S. acreage, production, and price]

STATE	ACREAGE HARVESTED (1,000)			YIELD PER ACRE (pounds)			PRODUCTION			PRICE ¹ (dal. per lb.)			FARM VALUE (mil. dol.)		
	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985
Total ²	789	792	689	1,811	2,183	2,196	1,429	1,728	1,513	1.75	1.81	1.65	2,496	3,121	2,489
FL.....	8	7	6	2,260	2,560	2,675	18	18	16	1.71	1.80	1.71	30	32	28
GA.....	44	38	36	2,190	2,250	2,280	96	88	82	1.80	1.83	1.71	174	156	140
IN.....	8	8	7	1,610	2,320	2,240	19	19	14	1.77	1.87	1.58	23	35	23
KY.....	203	229	186	1,597	2,320	2,300	325	530	428	1.75	1.85	1.58	568	982	678
MD.....	27	23	21	1,100	1,320	1,350	30	30	28	1.05	1.40	(*)	31	42	38
NC.....	278	272	251	1,968	2,172	2,220	547	590	557	1.78	1.81	1.71	973	1,067	951
OH.....	12	12	8	1,485	2,209	2,140	18	27	17	1.68	1.81	1.52	30	48	26
SC.....	54	47	43	2,090	2,245	2,300	113	106	99	1.81	1.81	1.73	204	191	171
TN.....	73	75	62	1,621	2,082	2,065	118	155	127	1.80	1.78	1.57	212	277	200
VA.....	54	54	43	1,828	2,153	2,104	99	116	91	1.72	1.79	1.69	171	207	154

¹ See footnote 1, table 1149. ² Includes other States not shown separately. ³ Evaluated at 135.7 cents per pound, the average sales price through April 29, 1986.Source of tables 1152-1154: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, May issue and annual; and *Crop Values*, annual.

Sugarcane and Sugar Beets—Potatoes

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No. 1155. SUGAR, BEET AND CANE—SUPPLY AND DISAPPEARANCE: 1970 TO 1985

[In thousands of short tons, raw value]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Total supply.....	14,392	13,132	15,827	14,928	14,621	14,110	14,380	12,441	12,003	12,043	11,920
United States production.....	5,874	6,300	6,089	5,602	5,793	5,736	6,225	5,936	5,682	5,890	5,969
Beet.....	3,511	3,473	3,423	3,067	3,066	3,057	3,182	3,160	2,588	3,059	2,889
Mainland cane ¹	1,201	1,720	1,632	1,506	1,667	1,661	1,995	1,793	2,050	1,769	2,086
Hawaii.....	1,162	1,107	1,034	1,029	1,060	1,023	1,048	983	1,044	1,062	1,014
Imports.....	5,296	3,882	6,138	4,683	5,027	4,495	5,025	2,964	3,186	3,559	2,872
Puerto Rico.....	353	96	102	52	47	178	48	80	67	24	74
Beginning stocks.....	2,869	2,854	3,498	4,491	3,754	3,701	3,082	3,461	3,068	2,570	3,005
Total disappearance.....	10,926	10,276	11,336	11,074	10,920	11,028	10,919	9,373	9,433	9,038	8,794
U.S. consumption.....	10,532	10,302	11,099	10,889	10,756	10,689	9,789	9,160	8,917	8,569	8,110
Exports.....	68	216	35	48	73	689	1,191	137	300	429	464
Other ²	328	-242	202	137	91	150	-41	76	216	40	220

¹ Florida, Louisiana, and beginning 1975, Texas. ² Includes net change in invisible stocks, balancing items, and minor quantities of sugar for livestock feed and alcohol.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Sugar and Sweetener Outlook and Situation*.

NO. 1156. SUGARCANE AND SUGAR BEETS, AND SUGAR—SUMMARY: 1970 TO 1985

[Data are for crop year. See also *Historical Statistics, Colonial Times to 1970*, series K 542-546]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Sugarcane for sugar and seed:											
Acreage harvested.....	1,000 acres....	584	774	744	733	733	755	742	768	747	770
Yield per acre.....	Sh. tons.....	41.1	36.6	35.0	36.2	36.8	36.3	40.1	36.7	36.6	36.6
Production.....	Mil. tons.....	24.0	28.3	26.0	26.5	27.0	27.4	29.8	28.2	27.3	28.2
Price per ton for sugar ¹	Dollars.....	10.50	21.50	19.50	26.00	38.50	24.90	26.50	27.80	28.20	(NA)
Farm value ³	Mil. dol.....	² 140	608	507	691	1,036	682	790	781	770	(NA)
Sugar beets:											
Acreage harvested.....	1,000 acres....	1,413	1,517	1,269	1,120	1,190	1,228	1,027	1,056	1,096	1,103
Yield per acre.....	Sh. tons.....	18.7	19.6	20.3	19.6	19.8	22.4	20.3	19.9	20.2	20.5
Production.....	Mil. sh. tons....	26.4	29.7	25.8	22.0	23.5	27.5	20.9	21.0	22.1	22.6
Price per ton ¹	Dollars.....	14.80	27.60	25.20	33.90	47.20	29.20	35.40	37.00	33.90	(NA)
Farm value.....	Mil. dol.....	392	821	650	745	1,103	804	740	778	750	(NA)
Sugar produced:											
Beet, raw value ⁴	1,000 tons....	3,322	4,019	3,289	2,879	3,149	3,388	2,737	2,699	2,802	2,997
Cane, raw value ⁴	1,000 tons....	2,416	2,934	2,612	2,700	2,728	2,833	3,063	2,930	3,007	3,033
Per ton of cane ⁴	Lb.....	210	214	211	213	213	217	215	215	231	226
Cane, refined basis ⁴	1,000 tons....	2,258	2,743	2,441	2,524	2,550	2,647	2,863	2,739	2,811	2,835
Molasses made from sugar cane ⁵	Mil. gal.....	141	193	162	165	163	183	177	176	174	179

NA Not available. ¹ Season average prices received by farmers. Prices exclude Government payments under Sugar Act.

² Excludes Hawaii. ³ Price per ton of cane for sugar used in evaluating value of production for seed. ⁴ Raw value equals 96% sugar as defined in Sugar Act of 1948. ⁵ Calculated on the basis of 100 lbs. of raw sugar required to produce 93.46 lbs. of refined sugar. ⁶ 80° brix except 85° brix for Hawaii. Includes high-test molasses from frozen cane. Excludes edible molasses.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Field Crops* (Statistical Bulletin 708); *Crop Production*, June issue and annual; and *Crop Values*, annual.

NO. 1157. POTATOES—ACREAGE, PRODUCTION, AND VALUE, BY STATE: 1983 TO 1985

[Excludes Alaska and Hawaii. 1985 preliminary. Price is season average received by farmers; State prices weighted by sales. See *Historical Statistics, Colonial Times to 1970*, series K 532-534, for U.S. acreage, production, price.]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (cwt.)			PRODUCTION (mil. cwt.)			PRICE (dol. per cwt.)			FARM VALUE (mil. dol.)		
	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985	1983	1984	1985
Total	1,243	1,301	1,358	289	279	298	334	363	404	5.82	5.69	3.91	1,936	2,046	1,563
CA	56	60	61	355	377	374	20	22	23	9.20	10.60	8.15	183	239	186
CO	53	60	63	297	320	318	16	19	20	6.25	4.75	2.65	99	91	53
FL	31	34	35	193	236	226	6	8	8	9.25	8.90	9.40	56	71	75
ID	312	325	345	276	266	297	86	87	103	5.20	4.85	3.15	447	420	323
ME	94	89	97	240	240	260	22	21	27	6.25	4.30	2.95	141	92	80
MI	53	57	58	228	266	262	12	15	15	6.60	5.70	4.40	80	86	67
MN	68	78	76	172	197	211	12	15	16	5.55	5.10	3.25	64	79	52
NY	41	39	37	238	262	287	10	10	10	7.85	5.95	3.95	76	61	40
ND	128	133	139	160	155	170	20	21	24	4.90	4.65	3.50	100	96	83
OR	49	57	61	427	416	438	21	24	27	4.65	4.75	3.65	96	112	97
PA	22	22	22	200	240	260	4	5	8	8.10	6.35	4.55	35	33	26
WA	104	115	126	520	495	495	54	57	62	4.25	5.15	3.30	230	293	206
WI	62	61	64	305	350	380	19	21	24	5.55	4.80	3.30	105	102	80

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Crop Production*, annual; and *Crop Values*, annual.

Agriculture

No. 1158. COMMERCIAL VEGETABLE AND OTHER SPECIFIED CROPS—AREA, PRODUCTION, AND VALUE,
1983 TO 1985, AND LEADING PRODUCING STATES, 1985

(Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage in minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income)

CROP	AREA ¹ (1,000 acres)			PRODUCTION ² (1,000 short tons)			VALUE ³ (mil. dol.)			Leading States in order of production, 1985
	1983	1984	1985	1983	1984	1985	1983	1984	1985	
Beans, snap ⁴	196.7	216.6	222.2	587.4	666.1	702.5	94.3	113.9	118.9	WI, OR, NY.
Beans, dry edible.....	1,138.7	1,460.3	1,485.4	776.0	1,053.5	1,113.4	347.9	395.2	415.0	MI, CA, ND.
Broccoli.....	91.5	106.5	109.5	416.3	514.1	531.4	210.1	237.9	239.3	CA, TX, OR.
Carrots.....	87.4	93.6	90.1	1,156.9	1,186.7	1,145.9	215.4	247.9	206.4	CA, TX, WA.
Cauliflower.....	54.6	60.8	61.2	270.7	334.4	333.2	140.0	175.0	169.1	CA, OR, AZ.
Celery.....	34.8	35.1	33.9	914.4	937.9	917.5	250.2	228.5	188.8	CA, FL, MI.
Corn, sweet.....	590.6	620.2	625.3	2,970.5	3,331.6	3,428.3	318.5	367.1	368.1	MN, WI, OR.
Honeydew melons.....	23.8	23.3	25.7	195.9	201.6	238.5	51.5	55.9	58.2	CA, TX, AZ.
Lettuce.....	208.6	221.8	225.7	2,898.5	3,215.5	3,087.7	713.7	706.3	674.7	CA, AZ, FL.
Peppermint.....	61.3	67.2	65.1	1.9	2.2	2.2	39.2	47.0	43.9	OR, WA.
Spearmint.....	28.2	27.9	30.1	.8	1.0	1.2	18.7	25.4	27.6	WA, ID.
Onions.....	123.0	129.4	122.8	1,938.1	2,182.9	2,253.0	431.8	422.5	327.2	CA, OR, CO.
Peas, green ⁴	308.8	330.5	353.6	425.7	495.3	577.8	92.2	117.3	138.5	WI, MN, WA.
Strawberries.....	43.4	43.3	44.1	446.8	495.5	509.4	407.2	413.8	450.8	CA, FL, OR.
Sweet potatoes.....	102.4	103.5	105.3	604.2	649.3	722.7	165.3	182.2	142.9	NC, LA, CA.
Tomatoes.....	415.3	414.8	390.1	8,391.7	9,090.6	8,665.8	1,137.3	1,239.6	1,195.6	CA, OH, MI.

¹ Area of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other factors, plus area harvested for processing. ² Excludes some quantities not marketed. ³ Fresh market vegetables valued at f.o.b. shipping point. Processing vegetables are equivalent returns at packinghouse door. ⁴ Processing only.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Vegetables*, annual summary. Also in *Agricultural Statistics*, annual.

No. 1159. FRUITS AND NUTS—UTILIZED PRODUCTION AND VALUE, 1983 TO 1985, AND LEADING PRODUCING STATES, 1985

FRUIT	UTILIZED PRODUCTION ¹				FARM VALUE (mil. dol.)			Leading States in order of production, 1985
	Unit	1983	1984	1985, prel.	1983	1984	1985, prel.	
Apples (35 States) ²	Mil. lb.	8,358	8,316	7,861	879	927	909	WA, NY, MI.
Apricots.....	1,000 tons	94	117	108	29	36	29	CA, WA, UT.
Avocados.....	1,000 tons	274	230	177	104	128	164	CA, FL.
Bananas.....	Mil. lb.	5	9	8	1	3	2	HI.
Cherries, sweet.....	1,000 tons	169	164	127	106	100	101	WA, MI, OR.
Cherries, tart.....	Mil. lb.	154	256	280	72	64	68	MI, NY, UT.
Cranberries.....	1,000 bbl. ³	2,986	3,322	3,426	155	181	187	MA, WI, NJ.
Dates.....	1,000 tons	17	22	28	11	18	25	CA.
Figs (fresh).....	1,000 tons	34	37	32	7	10	10	CA.
Grapefruit (4 States).....	Mil. boxes ⁴	61	54	56	185	220	295	FL, CA, TX.
Grapes (12 States).....	1,000 tons	5,360	5,169	5,605	1,065	981	961	CA, NY, WA.
Kiwifruit.....	1,000 tons	12	17	21	14	18	17	CA.
Lemons (2 States) ⁵	25	21	26	11	12	12	175	CA, AZ.
Limes, (FL).....	Mil. boxes ⁴	2	2	2	22	18	20	FL.
Nectarines.....	1,000 tons	185	183	211	55	58	68	CA.
Olives.....	1,000 tons	61	91	86	32	50	51	CA.
Oranges and tangerines (4 States).....	Mil. boxes ⁴	231	175	182	1,360	1,343	1,597	FL, CA, AZ.
Papayas.....	Mil. lb.	61	81	60	12	9	9	HI.
Peaches (32 States).....	Mil. lb.	1,754	2,468	2,047	260	321	309	CA, SC, NJ.
Pears.....	1,000 tons	774	697	747	132	180	201	CA, WA, OR.
Pineapples.....	1,000 tons	722	600	585	100	90	91	HI.
Plums and prunes (fresh).....	1,000 tons	672	720	637	167	177	164	CA, OR, MI.
Pomegranates.....	1,000 tons	19	19	19	5	2	4	CA.
Tangelos, (FL).....	Mil. boxes ⁴	4	4	4	24	23	36	FL.
Templets, (FL).....	Mil. boxes ⁴	5	3	3	28	21	26	FL.
Almonds (shelled basis).....	Mil. lb.	242	590	465	232	446	307	CA.
Filberts (in the shell).....	1,000 tons	8	13	25	5	8	17	OR, WA.
Macadamia nuts.....	Mil. lb.	36	38	42	24	26	30	HI.
Pecans (in the shell) (11 States).....	Mil. lb.	270	232	244	158	145	166	GA, TX, NM.
Pistachios.....	Mil. lb.	26	63	27	37	62	38	CA.
Walnuts, English (in the shell).....	1,000 tons	199	213	219	126	155	161	CA.

¹ Excludes quantities not harvested or not marketed. ² Production in commercial orchards with 100 or more bearing age trees. ³ Barrels of 100 pounds. ⁴ Approximate average, net weight, is 65 lb. in AZ and CA, 85 in FL, and 80 in TX.

⁵ Includes estimates for AZ. ⁶ About 76 lb. net. ⁷ Approximate net weight is 80 lb. ⁸ Net contents of box varies. In CA and AZ approximate average for oranges and tangerines is 75 lb.; FL oranges, 90 lb.; TX oranges, 85 lb.; and FL tangerines, 95 lb.

⁹ Approximate net weight is 90 lb.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Noncitrus Fruits and Nuts*, annual; and *Citrus Fruits*, annual.

Frozen and Canned Foods—Red Meats

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NO. 1160. PRINCIPAL FROZEN FOODS—PRODUCTION: 1970 TO 1985

[Represents commercial pack]

PRODUCT	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total fruits and vegetables	Mil. lb.	4,937	5,780	6,120	6,933	7,103	7,450	6,923	7,598	8,145	7,728	8,243	8,791
Vegetable, excl. potatoes.....	Mil. lb.	1,912	2,212	2,156	2,823	2,712	2,785	2,416	2,736	3,154	2,644	2,948	3,131
Potato products	Mil. lb.	2,404	3,001	3,335	3,623	3,849	4,090	3,853	4,236	4,377	4,510	4,733	5,118
Fruits and berries	Mil. lb.	621	567	629	687	543	575	653	626	614	574	662	542
Concentrates, juices and purees	Mil. gal.	(NA)	(NA)	201	174	184	197	261	215	180	210	170	167
Seafood	Mil. lb.	388	300	552	566	617	605	549	484	501	593	598	734
Poultry	Mil. lb.	2,160	2,070	2,359	2,238	2,318	2,606	2,765	3,029	2,783	2,805	2,740	2,789

NA Not available.

Source: American Frozen Food Institute, Burlingame, CA, *Frozen Food Pack Statistics*, annual. (Copyright.)

NO. 1161. CANNED FOODS—PRODUCTION: 1980 TO 1984

[In millions of standard cases of 24 No. 303 cans, except as noted. Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series P 233-234, for corn and tomatoes in cases of 24 No. 2 cans.]

PRODUCT	1980	1982	1983	1984	PRODUCT		1980	1982	1983	1984
					1980	1982	1983	1984	1983	1984
Fruits:¹										
Apples ³	1.6	1.6	1.6	(NA)	Seafood, salmon ⁴	4.4	2.4	3.8	4.1	
Applesauce ²	10.6	10.9	10.5	(NA)	Seasonal vegetables:					
Apricots	3.0	1.6	1.2	1.9	Asparagus	2.5	2.7	2.5	2.9	
Berries .....	.2	.4	.3	.2	Beans, green and wax	58.2	48.8	46.5	52.1	
Cherries, red, pitted .....	.5	.5	.5	.4	Beans, lima	2.8	2.3	2.3	2.3	
Cherries, sweet .....	.4	.5	.5	.4	Beets ²	10.9	10.9	9.0	9.3	
Cranberry sauce ²	3.6	3.6	(NA)	(NA)	Carrots ²	4.4	5.9	4.7	5.1	
Fruit cocktail ²	14.8	8.7	8.2	8.7	Corn, sweet	50.6	60.5	51.6	56.9	
Fruit salad/mixed fruits ²	3.2	2.4	1.9	2.5	Peas, green	30.1	24.8	20.8	23.3	
Peaches	26.8	18.6	11.4	19.5	Pimientos .....	.5	.8	(NA)	(NA)	
Pears	10.8	7.8	7.2	7.7	Pumpkin and squash	3.7	4.4	(NA)	(NA)	
Plums, purple	1.1	.4	.4	.6	Tomatoes ²	53.1	43.3	37.6	42.9	
Chili sauce	2.0	1.8	1.7	2.0	Nonseasonal vegetables:					
Tomato puree	8.1	9.8	8.7	(NA)	Sweet potatoes ³	5.9	7.0	(NA)	5.3	
					White potatoes ³	5.9	5.7	(NA)	5.3	

NA Not available. ¹ Basis: 24 No. 2½ cans. ² Pack beginning in year shown. ³ California only. ⁴ Basis: 48-1 lb. cans. Includes Alaska. ⁵ Beginning 1982, excludes concentrated crushed tomatoes.

Source: National Food Processors Association, Washington, DC, *Canned Food Pack Statistics*, annual.

NO. 1162. RED MEATS—SLAUGHTERING, PRODUCTION, AND TRADE: 1970 TO 1985

[Quantities represent carcass weight equivalent. 1970 excludes Alaska and Hawaii except for exports and imports. Covers inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports, military civilian feeding, and voluntary relief feeding. See also *Historical Statistics, Colonial Times to 1970*, series K 583-594.]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
All red meats:												
Animals slaughtered, total	Mil. head.	137.3	124.8	133.1	128.2	132.3	139.7	136.8	128.8	135.0	133.8	131.3
Under Federal inspection	Percent	89	91	93	93	94	94	94	95	95	96	96
Production, total ¹	Bil. lb.	36.2	36.8	39.7	38.6	37.6	39.0	38.0	37.6	39.3	39.3	39.4
Federally inspected	Percent	89	90	93	93	94	94	94	95	95	96	96
Exports of U.S. production ²	Mil. lb.	305	449	586	646	673	642	714	680	682	689	646
Imports for consumption	Mil. lb.	2,429	2,248	2,424	2,856	2,974	2,664	2,333	2,589	2,670	2,821	3,252
Beef:												
Animals slaughtered, total	Mil. head.	35.4	41.5	42.4	40.0	34.0	34.1	35.3	36.2	37.0	37.9	36.6
Under Federal inspection	Percent	87	89	92	93	94	94	94	94	94	95	95
Production, total ¹	Bil. lb.	21.7	24.0	25.3	24.2	21.4	21.6	22.4	22.5	23.2	23.6	23.7
Federally inspected	Percent	88	90	92	93	94	94	94	95	95	95	96
Exports of U.S. production ²	Mil. lb.	101	110	167	214	215	220	252	305	312	376	379
Imports for consumption	Mil. lb.	1,792	1,758	1,939	2,297	2,405	2,064	1,743	1,939	1,931	1,823	2,068
Veal:												
Animals slaughtered, total	Mil. head.	4.2	5.4	5.7	4.3	2.9	2.7	2.9	3.1	3.2	3.4	3.5
Under Federal inspection	Percent	72	72	85	87	89	89	89	88	88	90	92
Production, total	Mil. lb.	588	873	834	632	494	400	436	448	454	495	514
Federally inspected	Percent	57	57	68	71	73	74	74	76	78	82	86
Lamb and mutton:												
Animals slaughtered, total	Mil. head.	10.8	8.1	6.6	5.5	5.2	5.7	6.2	6.6	6.8	6.9	6.3
Under Federal inspection	Percent	93	84	96	96	96	96	96	94	94	95	95
Production, total	Mil. lb.	551	410	351	309	293	318	338	365	378	380	357
Federally inspected	Percent	93	94	94	94	94	94	94	95	95	95	96
Pork:												
Animals slaughtered, total	Mil. head.	87.0	69.8	78.4	78.4	90.2	97.2	92.5	82.8	88.1	85.6	84.9
Under Federal inspection	Percent	90	93	96	96	96	96	96	96	96	96	97
Production, total ¹	Bil. lb.	13.4	11.5	13.2	13.4	15.5	16.6	15.9	14.2	15.2	14.8	14.8
Federally Inspected	Percent	90	93	94	95	95	95	95	96	96	96	97

¹ Excludes lard. ² Includes shipments to territories.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Livestock and Meat Statistics*, annual.

Agriculture

NO. 1163. LIVESTOCK INVENTORY AND PRODUCTION: 1970 TO 1986

[See also *Historical Statistics, Colonial Times to 1970*, series K 564-589 and 575-582]

TYPE OF LIVESTOCK	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986
ALL CATTLE												
Inventory: ¹ Number on farms	Mil.	112.4	132.0	116.4	110.9	111.2	114.4	115.4	115.0	113.7	109.7	105.5
Total value	Bil. dol.	20.2	21.0	27.0	44.7	55.8	54.1	47.9	46.7	45.0	44.1	41.3
Value per head	Dol.	179	159	232	403	502	473	415	406	396	402	391
Production: Quantity ²	Bil. lb.	39.4	40.9	40.0	38.8	40.3	41.2	40.7	40.3	40.0	39.9	(NA)
Beef, price per 100 lb.	Dol.	27.10	32.20	48.50	66.10	62.40	58.60	56.70	55.50	57.30	59.70	(NA)
Calves, price per 100 lb.	Dol.	34.50	27.20	27.00	88.70	78.80	64.00	59.80	61.70	59.90	62.10	(NA)
Value of production	Bil. dol.	10.9	12.8	19.6	28.2	25.5	23.7	22.6	22.0	22.1	21.1	(NA)
HOGS AND PIGS												
Inventory: ³ Number on farms	Mil.	57.0	54.7	56.5	60.4	67.3	64.5	58.7	54.5	56.7	54.1	52.3
Total value	Bil. dol.	2.2	2.5	3.6	5.0	8.8	4.8	4.1	4.9	3.3	4.1	3.8
Value per head	Dol.	39.00	44.90	63.20	63.20	74.70	70.10	89.90	58.80	75.00	69.60	
Production: Quantity ²	Bil. lb.	21.8	16.8	19.5	22.6	23.4	21.8	19.7	21.2	20.2	20.1	(NA)
Price per 100 lb.	Dol.	22.70	46.10	48.60	41.80	38.00	43.90	52.30	46.80	47.10	44.00	(NA)
Value of production	Bil. dol.	5.0	7.8	9.1	9.4	8.9	9.5	10.3	9.9	9.5	8.9	(NA)
SHEEP AND LAMBS												
Inventory: ¹ Number on farms	Mil.	20.4	14.5	12.4	12.4	12.7	12.9	13.0	12.1	11.5	10.4	9.9
Total value	Mil. dol.	513	442	641	891	903	904	742	629	599	638	670
Value per head	Dol.	25.10	30.50	51.60	72.10	76.20	69.90	57.10	51.80	52.10	61.10	67.40
Production: Quantity ²	Mil. lb.	1,099	785	687	705	746	772	785	768	694	681	(NA)
Sheep, price per 100 lb.	Dol.	7.52	11.30	21.80	25.70	21.30	21.20	19.50	15.70	16.40	23.90	(NA)
Lambs, price per 100 lb.	Dol.	26.40	42.10	62.80	66.70	63.80	54.90	53.10	53.90	60.10	67.70	(NA)
Value of production	Mil. dol.	260	303	382	407	403	359	356	357	377	426	

NA Not available. ¹As of Jan. 1. ²Liveweight production. Adjustment made for changes in inventory and for shipments. ³As of Dec. 1 of preceding year.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition, and Income*, annual; and annual livestock summaries. Also in *Agricultural Statistics*, annual.

No 1164. LIVESTOCK ON FARMS—NUMBER, PRODUCTION, AND VALUE, BY STATE: 1985 AND 1986

STATE	ALL CATTLE			MILK COWS			SHEEP AND LAMBS			HOGS AND PIGS		
	Number on farms, 1986 (1,000)	Quantity produced, 1985 (mil. lb.)	Value of production, 1985 (mil. dol.)	Number on farms, 1986 (1,000)	Milk produced on farms, 1985 (mil. lb.)	Value of milk produced, 1985 (mil. dol.)	Number on farms, 1986 (1,000)	Quantity produced, 1985 (mil. lb.)	Value of production, 1985 (mil. dol.)	Number on farms, 1985 (1,000)	Quantity produced, 1985 (mil. lb.)	Value of production, 1985 (mil. dol.)
U.S. ⁶	105,468	39,947	21,083	11,179	143,667	18,453	9,932	691.2	425.8	52,298	20,133	8,859
AZ	1,050	578.7	318.5	88	1,348	184.8	276	10.9	3.9	175	59.3	
AR	1,750	448.8	215.8	78	848	117.0	—	—	—	436	217.1	93.5
CA	5,000	16,291	800.3	1,030	16,734	2,081.3	1,065	73.1	48.3	145	50.8	24.0
CO	2,850	1,616.2	945.7	82	1,105	157.7	600	49.4	30.6	225	71.6	32.2
FL	2,120	567.1	298.2	185	2,038	336.3	—	—	—	158	43.1	18.3
GA	1,700	432.4	204.3	119	1,302	183.6	—	—	—	1,150	436.0	193.5
ID	1,750	791.1	409.5	174	2,421	293.8	320	32.5	20.0	125	40.0	16.6
IL	2,470	879.9	498.1	230	2,814	357.4	109	10.0	5.5	5,400	2,251.6	887.1
IN	1,570	452.5	225.2	205	2,416	309.1	100	7.8	4.3	4,150	1,568.5	586.6
IA	4,950	2,155.7	1,189.6	360	4,058	495.1	350	30.5	19.7	13,500	5,457.7	2,385.3
KS	5,800	2,803.8	1,837.9	115	1,265	173.7	210	16.7	10.7	1,520	632.9	269.6
KY	2,480	739.7	368.6	234	2,222	284.4	27	2.2	1.3	800	295.3	135.4
MI	1,410	463.5	215.4	397	5,568	708.5	108	8.7	5.1	1,190	386.5	170.0
MN	3,400	1,463.8	727.5	940	10,840	1,306.2	213	19.7	12.8	4,100	1,572.0	702.0
MO	4,800	1,402.7	752.4	235	2,870	358.8	101	8.0	4.9	3,050	1,233.7	552.1
MT	2,450	978.5	488.3	27	351	46.4	423	31.7	19.1	135	56.6	21.8
NE	5,800	3,981.8	1,954.3	112	1,340	170.2	160	11.1	7.0	3,900	1,280.0	561.6
NM	1,390	667.0	339.1	68	1,076	144.3	525	21.6	13.4	38	13.0	6.0
NY	1,970	370.4	148.6	868	11,746	1,510.0	55	3.5	1.9	130	37.3	16.1
NC	1,100	283.9	135.8	127	1,748	253.5	10	5.5	3	2,350	856.3	382.2
ND	2,000	832.8	454.6	102	1,115	127.1	180	14.3	9.0	285	87.0	36.7
OH	1,840	616.9	312.7	390	4,870	625.7	275	17.2	10.9	1,980	736.1	323.9
OK	5,200	2,092.7	1,050.1	113	1,193	160.5	90	5.5	3.3	200	80.5	36.0
OR	1,575	551.3	265.0	102	1,438	189.1	430	27.2	17.0	125	52.0	23.6
PA	1,980	545.9	262.5	747	9,983	1,328.6	93	5.8	3.5	780	233.2	106.4
SD	3,600	1,785.7	994.1	162	1,794	213.8	540	51.5	33.7	1,610	613.4	269.2
TN	2,500	798.8	383.9	210	2,235	302.6	10	4	2	950	344.2	151.7
TX	13,600	5,320.5	2,936.1	322	3,968	553.1	1,810	103.2	64.3	435	169.0	73.3
UT	790	260.7	142.4	82	1,136	139.9	484	38.0	23.1	23	6.8	2.8
VA	1,840	628.0	301.1	165	2,102	281.7	154	8.8	4.3	400	162.0	71.6
WA	1,460	524.7	287.8	223	3,750	478.5	58	5.5	3.2	51	16.6	7.2
WI	4,280	1,090.1	555.0	1,892	25,107	3,081.4	75	6.3	4.1	1,250	546.2	239.8
WY	1,325	478.9	257.6	11	134	16.9	819	50.4	26.6	34	10.9	4.7

¹ Represents zero. ² As of January 1. ³ Liveweight production. Adjustment made for changes in inventory and for shipments. ⁴ Represents cows and heifers that have calved, kept for milk. ⁵ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. Includes value of milk fed to calves. ⁶ As of December 1. ⁷ Includes other States, not shown separately.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Meat Animals—Production, Disposition and Income*, annual.

No. 1165. DAIRYING—COWS AND DAIRY PRODUCTS: 1970 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series K 595-808]

ITEM	UNIT	1970	1975	1979	1980	1981	1982	1983	1984	1985
Cows and heifers that have calved, kept for milk, Jan. 1 ¹	Mil. head	13.3	11.1	10.8	10.8	10.8	11.0	11.0	11.1	10.8
Milk produced on farms.....	Bil. lb.	117	115	123	128	133	136	140	135	144
Whole milk sold from farms ²	Bil. lb.	113	112	121	126	130	133	137	133	141
Sales to plants and dealers	Bil. lb.	110	110	119	125	129	132	136	131	140
Value of milk produced.....	Bil. dollars	6.8	10.2	14.8	16.9	18.4	18.6	19.1	18.3	18.5
Gross farm income, dairy products.....	Bil. dollars	6.7	10.1	14.8	16.7	18.2	18.3	18.9	18.1	18.2
Cash receipts from marketing of milk and cream ³	Bil. dollars	6.5	9.9	14.7	16.6	18.1	18.2	18.8	17.9	18.1
Sales to plants and dealers	Bil. dollars	6.3	8.7	14.3	16.3	17.8	17.9	18.5	17.7	17.8
Manufactured dairy products:										
Butter (incl. whey butter)	Mil. lb.	1,137	984	985	1,145	1,228	1,257	1,289	1,103	1,248
Cheese, total ⁴	Mil. lb.	2,201	2,811	3,711	3,984	4,278	4,542	4,819	4,674	5,025
American (excl. full-skim American)	Mil. lb.	1,428	1,660	2,190	2,376	2,642	2,752	2,928	2,648	2,854
Swiss (including block)	Mil. lb.	144	174	213	219	214	221	209	208	223
Muenster, Brick, and Limburger	Mil. lb.	59	74	80	87	82	87	85	93	103
Cream and Neufchatel	Mil. lb.	128	160	212	229	241	263	270	276	294
All Italian varieties	Mil. lb.	394	672	929	983	994	1,088	1,200	1,319	1,435
Cottage cheese: Creamed ⁴	Mil. lb.	1,038	981	840	825	773	749	743	738	716
Curd, pot, and bakers'	Mil. lb.	726	701	689	687	648	629	618	606	599
Condensed bulk milk	Mil. lb.	1,237	1,041	975	952	972	975	984	1,159	1,228
Evaporated and condensed canned milk	Mil. lb.	1,293	938	810	725	758	754	710	666	655
Dry whole milk	Mil. lb.	69	63	65	83	93	102	111	120	119
Nonfat dry milk solids ⁵	Mil. lb.	1,456	1,009	915	918	1,322	1,410	1,510	1,168	1,398
Dry whey ⁶	Mil. lb.	621	598	733	690	779	791	892	898	987
Dry buttermilk	Mil. lb.	60	43	45	44	44	39	46	43	52
Ice cream of all kinds	Mil. gal.	762	837	811	830	832	852	882	884	901
Milk sherbet	Mil. gal.	49	49	45	45	46	46	48	47	48
Ice milk	Mil. gal.	287	299	297	293	291	281	285	300	301
Wholesale prices, American cheese:										
40-lb. blocks, Wis., assembly points	Cents per lb.	55.0	86.6	128.8	133.0	139.4	138.3	138.3	138.0	127.7
Single daisies, Chicago	Cents per lb.	64.9	104.4	141.4	156.2	167.2	168.4	168.2	170.4	160.1
Prices received by farmers, whole milk:										
Wholesale, per 100 lb.	Dollars	5.71	8.75	12.02	13.05	13.77	13.61	13.58	13.46	12.75
Sold directly to consumers	Cents per qt.	27.0	35.4	42.3	46.3	48.3	48.1	48.4	49.2	48.7

¹ For 1970, cows and heifers 2 years old and over. ² Comprises sales to plants and dealers, and retail sales by farmers direct to consumers. ³ Includes varieties not shown separately. Beginning 1975, includes full-skim. ⁴ Includes partially creamed (low fat). ⁵ Includes dry skim milk for animal feed. ⁶ Includes animal but excludes modified whey production.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Production of Manufactured Dairy Products*, annual; and *Milk Production, Disposition, and Income*, annual.

No. 1166. WHOLE MILK SOLD—QUANTITY AND CASH RECEIPTS, BY STATE: 1983 TO 1985

[Covers sales of milk to plants and dealers]

STATE	QUANTITY (mil. lb.)			CASH RECEIPTS (mil. dol.)			STATE	QUANTITY (mil. lb.)			CASH RECEIPTS (mil. dol.)		
	1983	1984	1985	1983	1984	1985		1983	1984	1985	1983	1984	1985
U.S.	136,090	131,371	139,937	18,485	17,682	17,849	MO	3,055	2,680	2,813	406	354	352
AL	570	528	543	84	78	79	NE	1,385	1,180	1,295	184	169	164
AZ	1,225	1,210	1,340	170	167	184	NH	366	348	351	53	50	48
AR	823	778	820	119	110	113	NY	478	450	462	67	62	61
CA	14,428	14,954	16,316	1,884	1,922	1,987	NC	11,330	11,150	11,450	1,552	1,505	1,466
CO	902	874	1,025	134	129	144	ND	1,055	1,015	1,071	132	125	122
CT	630	585	595	91	84	82	OH	4,695	4,585	4,800	639	616	614
FL	2,099	1,879	2,020	346	304	333	OR	1,140	1,080	1,140	160	149	153
GA	1,380	1,260	1,295	200	184	183	PA	1,250	1,235	1,345	173	167	172
ID	2,230	2,130	2,370	285	271	287	VA	9,015	8,995	9,555	1,262	1,250	1,252
IL	2,675	2,502	2,769	361	338	352	SC	546	514	555	85	80	85
IN	2,330	2,265	2,370	317	306	303	SD	1,805	1,645	1,773	233	209	211
IA	3,924	3,611	3,940	518	473	481	TN	2,160	2,000	2,075	294	274	280
KS	1,355	1,195	1,260	190	167	170	TX	3,895	3,750	3,860	565	536	533
KY	2,330	1,979	2,113	315	265	270	UT	1,118	980	1,070	144	126	128
LA	920	880	880	134	125	124	VT	2,445	2,265	2,350	347	317	313
ME	715	675	650	105	98	89	VA	2,050	1,940	2,075	265	270	278
MD	1,592	1,516	1,668	223	212	219	WA	3,820	3,299	3,582	442	432	444
MA	575	540	555	84	78	76	WI	348	352	365	47	47	47
MI	5,410	5,230	5,465	736	706	694	Other	23,230	22,890	24,620	3,073	3,005	3,021
MN	10,835	10,085	10,870	1,402	1,290	1,286					284	285	
MS	870	825	855	124	118	118							

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, *Milk Production, Disposition, and Income*, annual.

Agriculture

No. 1167. POULTRY—NUMBER ON FARMS, VALUE, EGGS PRODUCED, AND PRICES: 1970 TO 1985

[For year ending November 30 except as noted. See also *Historical Statistics, Colonial Times to 1970*, series K 609-623]

ITEM	UNIT	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Chickens: ¹ Number ²	Million	433	380	387	397	401	392	385	379	365	374	368
Value per head ²	Dollars	1.21	1.74	1.69	1.75	1.81	1.88	1.89	1.85	1.96	2.02	1.80
Value, total ²	Mill. dol.	525	660	652	696	726	737	728	703	717	754	700
Number produced ³	Million	284	233	245	242	251	241	242	246	232	242	220
Price per lb ³	Cents	9.1	9.9	12.3	12.4	13.9	11.0	11.1	10.3	12.7	15.9	14.8
Production value ³	Mill. dol.	107	105	145	142	171	129	135	121	145	181	152
Eggs: Number produced	Mill. doz.	5,684	5,386	5,384	5,596	5,767	5,807	5,819	5,810	5,681	5,686	5,701
Price per dozen	Cents	39.1	52.4	55.6	52.2	58.3	56.3	63.1	58.5	61.1	72.3	57.1
Production value	Mill. dol.	2,221	2,819	2,995	2,021	3,360	3,268	3,671	3,459	3,469	4,110	3,253
Broilers: ⁴ Number produced	Million	2,987	2,950	3,394	3,614	3,951	3,963	4,148	4,149	4,184	4,282	4,479
Price per lb	Cents	13.6	26.3	23.6	26.3	26.0	27.7	28.4	26.9	28.6	33.7	30.1
Production value	Mill. dol.	1,475	2,915	3,059	3,676	4,032	4,303	4,699	4,502	4,873	6,018	5,880
Turkeys: ⁵ Number ²	1,000	3,173	3,014	3,038	3,370	3,705	3,749	3,514	3,429	3,155	3,159	(NA)
Value per head ²	Dollars	5.82	10.81	11.39	12.53	13.58	14.11	15.35	14.60	17.59	16.54	(NA)
Value, total ²	Mill. dol.	18	33	35	42	50	53	54	50	56	52	(NA)
Turkeys, number raised	Million	116	124	136	139	156	165	171	165	171	171	185
Price per lb	Cents	22.6	34.8	35.5	43.6	41.1	41.3	38.2	39.5	36.0	48.9	49.1
Gross income	Mill. dol.	498	793	910	1,157	1,214	1,272	1,248	1,255	1,269	1,655	1,619

NA Not available. ¹ Excludes commercial broilers. ² As of Dec. 1. ³ Beginning 1985, represents number sold and value of sales. ⁴ Young chickens of the heavy breeds and other meat-type birds, to be marketed at 2-5 lbs. live weight and from which no pullets are kept for egg production. Not included in production of chickens. ⁵ Data are for breeder hens only and cover the 26 major producing States. Beginning 1981, number of States covered reduced to 24.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, Hatchery Production—Annual; Layers and Egg Production—Annual; Poultry—Production, Disposition, and Income; and Turkeys.

No. 1168. POULTRY—PRODUCTION, BY STATE: 1983 TO 1985

[In millions. See *Historical Statistics, Colonial Times to 1970*, series K 611, 614, 617, and 621 for U.S. totals]

STATE	CHICKENS PRODUCED		Chicks sold, 1985	BROILERS PRODUCED			CHICKS HATCHED COMMERCIALLY ¹			TURKEYS RAISED		
	1983	1984		1983	1984	1985	1983	1984	1985	1983	1984	1985
U.S.	231.7	242.5	220.2	4,183.7	4,282.4	4,478.7	4,853.9	5,052.5	5,211.1	170.7	171.3	185.3
Alabama	13.9	15.3	9.0	515.7	536.6	561.8	643.8	670.5	707.7	(Z)	(Z)	(Z)
Arkansas	23.7	18.7	17.9	872.1	725.0	760.0	791.9	828.0	882.7	12.9	14.4	16.0
California	18.0	21.1	19.0	171.6	175.5	174.3	217.0	225.8	221.2	20.2	19.7	20.5
Connecticut	3.6	2.7	3.6	(Z)	(Z)	(Z)	(O)	(O)	(O)	(Z)	(Z)	(Z)
Delaware	1.0	.7	.8	181.9	189.6	196.4	(O)	153.0	165.6	.3	.1	(Z)
Florida	6.3	7.8	9.3	97.4	96.2	104.2	147.2	152.1	154.5	(Z)	(Z)	(Z)
Georgia	15.4	19.9	17.5	626.6	636.8	677.2	687.9	705.6	736.3	2.3	2.6	2.6
Illinois	2.8	2.7	3.2	(Z)	(Z)	(D)	(D)	9.1	10.1	.3	.2	.2
Indiana	17.2	20.5	16.3	(D)	(D)	(D)	(D)	50.2	51.2	6.7	6.3	6.9
Iowa	8.3	7.7	5.0	2.6	2.1	2.0	(D)	19.8	18.1	6.7	5.8	6.3
Kentucky	1.4	2.0	1.3	3.1	3.0	3.2	(D)	(D)	(D)	(Z)	(Z)	(Z)
Louisiana	2.0	2.0	1.3	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(Z)	(Z)
Maine	4.1	4.1	5.1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Maryland	4.1	3.0	2.4	260.5	271.2	272.4	(D)	342.3	351.8	.1	.1	.1
Massachusetts .....	.8	.9	1.1	(Z)	(Z)	(Z)	(D)	(D)	(D)	(D)	2	2
Michigan	4.4	4.8	5.5	1.1	1.1	1.3	(D)	(D)	(D)	(D)	1.9	2.1
Minnesota	8.8	8.7	7.5	24.4	25.6	26.9	(D)	16.8	13.9	27.0	28.5	30.4
Mississippi	6.6	7.2	7.4	316.3	312.2	328.7	(D)	316.2	324.3	(Z)	(Z)	(Z)
Missouri	5.4	6.4	5.0	(D)	(D)	(D)	(D)	12.5	11.4	13.0	12.0	12.5
New York	6.6	4.4	6.8	.6	.7	1.8	(D)	(D)	(D)	.3	.3	.3
North Carolina	11.3	11.6	11.7	419.7	428.3	447.3	(D)	489.0	501.7	29.4	30.4	31.9
Ohio	10.2	13.8	11.0	11.0	9.0	9.0	(D)	(D)	(D)	2.4	2.8	(D)
Oklahoma	2.4	2.5	3.4	55.2	60.5	61.7	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	1.7	1.9	1.8	13.0	13.4	14.4	(D)	(D)	(D)	.8	.9	1.3
Pennsylvania	14.9	6.9	13.2	102.6	89.4	94.7	153.2	128.0	150.9	6.8	6.1	7.1
South Carolina	3.8	5.4	4.0	52.2	57.2	60.4	56.2	61.7	61.9	2.2	2.2	2.8
Tennessee	2.5	2.9	2.5	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(Z)	(Z)
Texas	9.7	9.8	9.3	212.6	200.5	215.9	(D)	247.1	264.6	(D)	(D)	(D)
Virginia	2.7	3.5	2.0	144.0	147.8	154.1	171.8	(D)	(D)	11.4	10.8	13.1
Washington	3.8	3.7	3.0	20.5	21.7	23.0	(D)	(D)	(D)	(Z)	(Z)	(Z)
West Virginia .....	.7	.5	.5	28.8	26.0	25.7	(D)	(D)	(D)	1.8	2.3	2.4
Wisconsin	2.4	2.7	1.9	11.3	11.5	11.2	(D)	(D)	(D)	7.1	6.1	6.2
Other ²	11.2	13.7	11.5	238.1	241.5	251.1	2,004.9	623.9	602.1	17.0	17.3	19.3

D Withheld to avoid disclosure. Z Less than 500,000 broilers or 50,000 turkeys.

¹ By commercial hatcheries.

² Derived by subtracting printed estimates from U.S. total.

Source: U.S. Dept. of Agriculture, National Agricultural Statistics Service, Hatchery Production—Annual; Layers and Egg Production—Annual; Poultry—Production, Disposition, and Income; and Turkeys.

Section 24

Forests and Forest Products

This section presents data on the area, ownership, and timber resource of commercial timberland; forestry statistics covering the National Forests and Forest Service cooperative programs; product data for lumber, pulpwood, woodpulp, paper and paperboard, and similar data.

The principal sources of these data are: *An Analysis of the Timber Situation in the United States, 1952-2030, Appendix 3*; *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-85*; *Land Areas of the National Forest System*; and *Wildfire Statistics*, issued annually by the Forest Service of the Department of Agriculture; *Agricultural Statistics* issued by the Department of Agriculture; and reports of the census of manufactures (taken every five years) and the annual *Current Industrial Reports*, issued by the Bureau of the Census. Additional information is published in the monthly *Survey of Current Business* of the Bureau of Economic Analysis; and the annual *Wood Pulp and Fiber Statistics* and *The Statistics of Paper, Paperboard, and Wood Pulp* of the American Paper Institute, New York, NY.

The Bureau of the Census also collects data on foreign trade of forest products. The Bureau of Labor Statistics publishes monthly and annual statistics of producer prices for lumber.

The completeness and reliability of statistics on forests and forest products vary considerably. The data for forest land area and stand volumes are much more reliable for areas which have been recently surveyed than for those for which only estimates are available. Estimates of fire damage or causes of fires for Federal lands are considered much better than those for private lands. In general, more data are available for lumber and other manufactured products such as veneer and plywood, etc., than for the primary forest products such as poles and piling and fuelwood.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 1169. NATIONAL FOREST LANDS AND PURCHASES: 1950 TO 1985

[Area as of June 30 except, beginning 1980, as of Sept. 30; purchases for years ending June 30, except as noted. Includes Puerto Rico. Prior to Oct. 1976, lands to be purchased under the Weeks Law and related acts were approved by the National Forest Reservation Commission which also set prices on such lands. With the passage of the National Forest Management Act, all functions of the Commission were transferred to the Secretary of Agriculture. Actual purchases are made by U.S. Department of Agriculture. See also *Historical Statistics, Colonial Times to 1970*, series L 10-14]

ITEM	Unit	1950	1960	1965	1970	1975	1980	1982	1983	1984	1985
Gross area ¹	Mil. acres.....	229	227	226	226	226	226	230	230	230	230
National Forest System.....	Mil. acres.....	181	186	187	187	188	187	191	191	191	191
Approved for purchase.....	Mil. acres.....	61	8	29	92	12	42	2	7	8	16
1,000 acres.....	Dollars	9	15	47	125	275	564	675	332	544	491
Average price per acre.....	Mil. dol. ....	.5	.1	1.3	11.5	3.3	27.9	1.5	2.4	4.2	6.9
Total price.....	Mil. dol.	97	8	33	113	34	27	13	31	35	7
Purchases completed.....	Mil. acres.....	7	31	39	96	267	617	409	330	407	653
1,000 acres.....	Dollars .....	.7	.2	1.3	10.9	9.1	17.1	5.2	10.0	14.0	4.2
Average price per acre.....	Mil. dol.	4	19	19	20	20	20	20	20	20	20
Gross area of purchase units.....	Mil. acres.....	53	56	56	56	56	56	58	58	58	58
Purchase completed, net area ²	Mil. acres.....	19	19	19	20	20	20	20	20	20	20
Average price per acre.....	Dollars	4	4	4	8	9	12	14	15	15	15
Total price	Mil. dol.	71	75	79	125	179	250	284	294	298	302

¹ Comprises all publicly and privately owned land within authorized boundaries of national forests, purchase units, national grasslands, and land utilization projects (research and experimental areas, and other areas).

² Cumulative total. Under the March 1, 1911 Act of Congress (Weeks Law), as amended, and related acts.

Source: U.S. National Forest Reservation Commission, *Final Report to October 1976*; and U.S. Forest Service, *Land Areas of the National Forest System*, annual; and unpublished data.

Forests and Forest Products

No. 1170. NATIONAL FOREST SYSTEM—SUMMARY: 1960 TO 1985

[For fiscal years ending in year shown; see text, section 9. Includes Alaska and Puerto Rico, except as noted. See *Historical Statistics, Colonial Times to 1970*, series J 33-34, for similar but not comparable grazing data, and L 15-31]

ITEM	UNIT	1960	1970	1975	1979	1980	1981	1982	1983	1984	1985
Timber cut, total value.....	Mil. dol.	157.1	308.6	368.4	973.0	736.6	728.9	348.7	655.9	763.9	724.5
Commercial and cost sales: Volume.....	Mil. bd. ft.	9,367	11,527	9,174	10,377	9,178	8,036	6,747	9,244	10,549	10,941
Value.....	Mil. dol.	156.4	307.6	368.0	968.0	729.8	720.9	339.2	649.7	759.6	720.6
Free use: Volume.....	Mil. bd. ft.	123	179	618	1,637	2,070	2,107	2,343	1,071	570	399
Value ^a	Mil. dol.	.2	.3	1.1	3.8	5.7	6.4	7.5	4.5	2.6	2.2
Misc. forest products: Value.....	Mil. dol.	.5	.7	1.4	1.1	1.1	1.6	2.0	1.7	1.7	1.7
Livestock grazing: ³ Cattle and horses ⁴	1,000.....	1,307	1,607	1,626	1,540	1,521	1,535	1,562	1,609	1,521	1,565
Sheep and goats	1,000.....	2,574	2,105	1,549	1,251	1,328	1,341	1,340	1,242	1,129	1,183
Roads and trails:											
Road construction ⁵	Miles.....	851	942	136	820	925	1,217	1,867	2,016	1,667	1,903
Trail construction ⁵	Miles.....	142	278	298	1,390	2,419	8727	(NA)	(NA)	(NA)	(NA)
Receipts, total	Mil. dol.	148.2	299.7	373.1	881.0	702.9	680.7	350.2	495.3	637.3	655.9
Timber use.....	Mil. dol.	140.1	283.9	341.3	827.6	625.4	581.4	251.0	398.5	544.3	514.6
Grazing use	Mil. dol.	4.5	4.4	7.7	12.5	15.8	14.9	12.4	10.2	8.8	9.0
Special land use, etc.	Mil. dol.	3.6	11.4	24.1	40.9	61.6	84.4	86.8	86.6	83.5	112.3
Payments to local govt. ⁷	Mil. dol.	36.1	72.8	91.0	279.8	240.1	243.0	144.3	203.5	235.3	229.0
25-percent fund ⁸	Mil. dol.	35.4	71.9	89.8	277.0	233.6	230.5	132.6	192.7	224.9	212.2
Other ⁹	Mil. dol.	.7	.9	1.2	2.8	6.5	12.5	11.7	10.8	10.4	16.8
Allotments to Forest Service, total ¹⁰	Mil. dol.	14.9	29.5	39.5	93.9	73.1	68.2	35.2	49.0	62.3	60.0
Roads and trails.....	Mil. dol.	14.2	28.8	35.9	84.2	65.5	60.9	28.4	44.5	58.0	55.6
Other.....	Mil. dol.	.7	.8	3.6	9.7	7.6	7.3	5.8	4.5	4.3	4.5

NA Not available. ¹ Includes land exchanges. ² Includes some free use timber not reducible to board feet.

³ For 1960-1970, data for livestock permitted to graze; 1975 for authorized use; 1979-1985 for number actually grazed. Calendar-year data. Excludes Puerto Rico. ⁴ Excludes animals under 6 months of age. 1960-1970 includes swine. Includes burros beginning in 1979. ⁵ Includes reconstruction. 1980 excludes national grasslands. ⁶ Figures include work done by the Human Resources Programs. ⁷ Payments made in following year. ⁸ Includes Tongass Alaska suspense account.

⁹ Includes Arizona and New Mexico School Fund, State of Minnesota, and receipts paid to counties under Bankhead-Jones Farm Tenant Act. ¹⁰ For use in following year.

Source: U.S. Forest Service, *In Agricultural Statistics*, annual, and unpublished data.

No. 1171. FOREST LAND—TOTAL AND COMMERCIAL AREA, VOLUME OF SAWTIMBER, AND GROWING STOCK: 1952 TO 1977

[As of Jan. 1. For composition of regions, see table 1172]

YEAR AND REGION	Total forest land (mil. acres)	COMMERCIAL TIMBERLAND, OWNERSHIP ¹				SAWTIMBER NET VOLUME ³			Growing stock, net volume ⁴ (bil. cu. ft.)	
		All owner-ships (mil. acres)	Federal-ly owned or man-aged ² (mil. acres)	State, county, and municipal (mil. acres)	Private		Total (bil. bd. ft.)	Soft-wood (bil. bd. ft.)	Hard-wood (bil. bd. ft.)	
					Total (mil. acres)	Percent of total				
United States, 1952	684	498	117	27	356	71.3	2,512	2,068	446	603
North.....	209	169	13	18	137	81.1	249	59	190	111
South.....	197	192	14	3	175	91.1	409	197	213	136
West.....	258	138	69	6	43	31.2	1,854	1,811	44	356
United States, 1962	759	509	117	27	366	71.9	2,516	2,033	484	648
North.....	178	171	12	18	140	81.9	282	70	212	137
South.....	220	200	14	3	183	91.5	465	246	218	156
West.....	360	139	90	6	42	30.2	1,769	1,717	52	354
United States, 1970	754	496	112	30	355	71.6	2,538	2,002	537	680
North.....	186	169	12	18	138	81.7	320	83	237	156
South.....	212	193	14	3	175	90.7	535	296	239	177
West.....	355	135	85	8	42	31.1	1,684	1,623	61	348
United States, 1977	737	482	105	30	347	72.0	2,579	1,985	594	711
North.....	178	166	12	19	136	81.9	359	97	283	173
South.....	207	188	14	3	170	90.4	615	341	274	202
West.....	352	128	79	8	41	32.0	1,605	1,548	57	338

¹ See footnote 1, table 1172. ² Includes Indian land. ³ See footnote 3, table 1172. ⁴ See footnote 4, table 1172.

Source: U.S. Forest Service, *An Analysis of the Timber Situation in the United States, 1952-2030*, Appendix 3.

Forest Land Area

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NO. 1172. FOREST LAND AREA, COMMERCIAL AREA OWNERSHIP, AND VOLUME OF SAWTIMBER AND GROWING STOCK, BY STATE: 1977

[As of January 1]

STATE	Total forest land (1,000 acres)	COMMERCIAL TIMBERLAND, OWNERSHIP ¹ (1,000 acres)				SAWTIMBER NET VOLUME ²		GROWING STOCK, NET VOLUME ³	
		Total	Federally owned or managed ⁴	State, county, municipal	Private	Total (mil. bd. ft.)	Softwood (mil. bd. ft.)	Total (mil. cu. ft.)	Softwood (mil. cu. ft.)
U.S.	736,558	482,486	105,472	30,249	346,764	2,578,940	1,985,408	710,968	455,779
North	177,662	166,141	11,964	18,549	135,628	359,021	96,504	173,145	44,574
New Eng.	32,461	30,985	770	1,317	28,898	75,507	43,800	41,848	23,383
CT.	1,861	1,808	2	144	1,659	5,870	1,305	2,662	425
ME.	17,718	16,864	73	468	16,323	36,118	25,232	22,604	16,060
MA.	2,952	2,798	10	356	2,432	7,868	4,168	3,893	1,439
NH.	5,014	4,692	472	108	4,112	14,564	8,607	7,288	3,526
RI.	404	395	-	32	363	697	289	412	108
VT.	4,512	4,430	213	209	4,008	10,391	4,199	4,990	1,826
Mid. Atl.	50,686	46,415	1,505	4,654	40,356	101,959	17,084	56,461	7,806
DE.	392	384	1	13	370	3,392	408	625	169
MD.	2,653	2,523	25	216	2,280	8,167	1,726	3,492	793
NJ.	1,928	1,857	28	291	1,538	3,127	575	1,834	251
NY.	17,218	14,243	58	835	13,351	26,088	7,771	13,256	3,523
PA.	16,826	15,924	503	2,968	12,453	34,251	3,714	23,403	1,778
WV.	11,689	11,484	892	229	10,363	28,934	2,901	14,153	1,092
Lake	51,644	47,579	6,750	11,886	28,944	97,766	30,984	44,517	11,901
MI.	19,270	18,778	2,472	3,947	12,359	42,441	13,205	19,214	5,061
MN.	16,709	13,695	2,336	4,992	6,387	24,607	8,531	11,454	3,477
ND.	422	405	114	10	281	474	-	257	(z)
SD (east)	335	223	74	3	146	448	66	134	23
WI.	14,908	14,478	1,753	2,934	9,792	29,797	9,183	13,457	3,340
Central	42,872	41,163	2,940	792	37,431	83,788	4,625	30,319	1,684
IL.	3,810	3,692	269	11	3,413	7,084	30	2,180	24
IN.	3,943	3,815	239	171	3,405	10,967	256	3,758	87
IA.	1,561	1,460	57	56	1,348	3,419	14	1,038	6
KS.	1,344	1,187	27	10	1,151	2,020	1	584	1
KY.	12,161	11,902	819	77	11,007	28,941	2,091	11,988	916
MO.	12,876	12,289	1,313	219	10,757	15,270	1,292	6,022	392
NE.	1,029	789	67	12	710	1,737	510	442	119
OH.	6,147	6,029	150	237	5,642	14,341	433	4,326	139
South	206,875	188,046	14,465	3,245	170,315	614,709	341,023	202,008	97,136
So. Atl.	48,710	47,877	3,897	883	42,897	171,401	74,317	59,388	23,333
NC.	20,043	19,582	1,365	398	17,799	76,794	35,375	26,191	10,742
SC.	12,249	12,176	862	233	11,081	40,837	22,809	14,201	7,079
VA.	16,417	15,939	1,670	252	14,017	53,771	16,134	19,857	5,512
E. Gulf	42,296	40,142	3,040	620	36,482	112,478	74,078	40,134	24,405
FL.	17,040	15,330	1,623	492	13,215	31,950	21,129	11,733	7,525
GA.	25,256	24,812	1,417	128	23,268	80,529	52,949	28,402	16,880
Ctr. Gulf	51,237	50,657	2,935	1,016	46,707	182,351	87,903	51,977	23,555
AL.	21,361	21,333	800	209	20,324	69,396	46,509	22,240	12,339
MI.	16,716	16,504	1,216	461	14,828	60,642	35,370	17,234	8,929
TN.	13,161	12,820	919	346	11,555	32,313	6,024	12,504	2,287
W. Gulf	64,832	49,569	4,614	726	44,229	168,478	104,724	49,910	25,843
AR.	18,282	18,207	2,718	256	15,233	48,969	26,462	17,145	7,050
LA.	14,568	14,527	694	309	13,525	63,418	38,848	17,431	9,417
OK.	8,513	4,323	463	105	3,755	6,067	3,576	2,062	1,010
TX.	23,279	12,513	740	56	11,717	50,025	36,039	13,272	6,356
West	352,021	289,299	79,023	8,455	40,821	1,605,211	1,547,882	335,814	314,069
Pac. NW	172,136	53,283	29,552	5,630	18,101	950,326	911,892	186,130	173,155
AK.	119,145	11,150	8,423	2,438	289	188,859	184,406	43,073	40,620
OR.	28,810	24,211	14,201	926	9,084	431,172	414,186	78,554	74,735
WA.	23,181	17,922	6,928	2,266	8,728	330,295	313,300	63,503	57,800
Pac. SW	42,138	17,251	8,581	548	8,122	264,176	255,611	49,870	45,979
CA.	40,152	16,303	8,569	108	7,628	263,669	255,594	49,568	45,975
HI.	1,986	948	12	442	494	1,047	17	202	4
No. Rocky Mt.	55,882	33,478	23,227	1,595	8,657	289,682	267,587	68,699	67,942
ID.	21,727	13,541	9,640	880	3,021	139,618	139,050	31,884	31,652
MT.	22,559	14,359	9,260	534	4,565	97,334	96,238	27,877	27,691
SD (west)	1,367	1,244	955	70	215	5,815	5,597	1,643	1,627
WY.	10,028	4,334	3,369	111	855	27,079	26,683	7,195	6,983
So. Rocky Mt.	82,065	24,287	17,663	682	5,941	120,524	112,812	31,116	26,993
AZ.	18,494	3,896	3,698	34	166	22,711	22,063	4,982	4,753
CO.	22,271	11,315	7,962	234	3,118	54,941	50,684	15,036	12,624
NV.	7,883	134	61	5	60	1,388	1,363	262	249
NM.	18,080	5,538	3,439	171	1,927	25,919	24,346	6,395	5,786
UT.	15,557	3,405	2,505	239	661	15,565	14,357	4,440	3,562

- Represents zero. Z Less than 500,000 cubic feet. ¹ Commercial timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as commercial timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. ² Includes Indian lands. ³ Net volume of the sawlog portion of live sawtimber trees in board feet, International 1/4-inch log rule. ⁴ Net volume in cubic feet of live sawtimber and poletimber trees from stump to a minimum 4-inch top (of central stem) outside bark or to the point where the central stem breaks into limbs.

Sources: U.S. Forest Service, *An Analysis of the Timber Situation in the United States, 1952-2030*, Appendix 3.

Forests and Forest Products

NO. 1173. NATIONAL FOREST LANDS—STATES AND OTHER AREAS: 1985

[In thousands of acres. As of Sept. 30. See also *Historical Statistics, Colonial Times to 1970*, series L 10-11]

STATE	Gross area within unit boundaries ¹	National forest system lands	Other lands within unit boundaries	STATE	Gross area within unit boundaries ¹	National forest system lands	Other lands within unit boundaries
Total.....	229,979	190,685	39,294	NE.....	442	352	80
AL.....	1,274	647	628	NV.....	5,426	5,160	266
AK.....	24,016	22,842	1,176	NH.....	819	705	114
AZ.....	11,933	11,273	660	NY.....	10,384	9,325	1,059
AR.....	3,502	2,480	1,022	NC.....	13	13	-
CA.....	24,324	20,482	3,841	ND.....	3,165	1,217	1,949
CO.....	16,029	14,436	1,592	OH.....	1,106	1,106	(2)
CT.....	(2)	(2)	-	OK.....	833	178	655
FL.....	1,224	1,093	125	OR.....	461	295	166
GA.....	1,855	867	988	PA.....	17,458	15,604	1,854
HI.....	(2)	(2)	-	SC.....	743	511	232
ID.....	21,709	20,428	1,280	SD.....	1,382	611	771
IL.....	840	263	577	TN.....	2,347	1,997	350
IN.....	645	189	456	TX.....	1,212	627	685
KS.....	117	108	9	UT.....	9,130	8,046	1,083
KY.....	2,102	680	1,421	VA.....	630	297	332
LA.....	1,023	599	424	WA.....	3,226	1,636	1,590
ME.....	94	51	42	WV.....	10,041	9,056	985
MI.....	4,873	2,764	2,109	WI.....	1,861	977	884
MN.....	5,467	2,805	2,662	WY.....	2,023	1,506	517
MS.....	2,310	1,147	1,163	PR.....	9,717	9,255	482
MO.....	3,082	1,470	1,611	VI.....	56	28	28
MT.....	19,091	16,798	2,292	(Z)	(Z)	(Z)	-

- Represents zero. Z Less than 500 acres. ¹ See footnote 1, table 1169.Source: U.S. Forest Service, *Land Areas of the National Forest System*, annual.

NO. 1174. WILDFIRES—SUMMARY: 1970 TO 1983

[See also *Historical Statistics, Colonial Times to 1970*, series L 44-55]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983
ACREAGE (1,000)								
Protected area: Federal ^{1,2}	647,239	677,949	680,185	680,223	680,261	685,552	682,962	682,216
Area burned ¹	719	408	202	1,237	751	946	332	1,017
State and private ^{3,4}	520,501	726,356	773,772	783,609	805,927	840,163	843,804	851,463
Area burned	1,541	1,119	1,653	1,317	2,348	3,235	1,100	944
Unprotected area: Federal	65,537	54,232	54,232	54,232	54,232	54,232	54,232	54,232
State and private	45,751	70,848	93,972	89,518	115,204	103,307	96,431	200,733
Area burned	1,019	(NA)	2,156	433	2,162	634	950	3,120
REPORTED FIRES (1,000)								
Total	121.7	134.9	218.8	163.2	234.9	249.4	174.8	161.6
Federal area ⁵	15.0	12.3	14.1	13.9	14.6	15.4	10.7	10.4
State and private	106.8	122.6	204.8	149.3	220.3	234.0	184.1	151.2
Protected	101.5	91.0	130.8	104.4	141.0	173.8	91.0	84.7
Unprotected	5.3	31.6	74.0	44.9	79.2	60.2	73.1	66.5
Cause of fires on protected areas:								
Total ⁴	116.4	103.3	144.9	118.3	⁶ 155.7	⁶ 189.2	101.7	95.2
Incendiary (arson)	30.9	28.2	46.2	32.5	45.2	57.7	31.0	26.1
Debris burning	28.3	18.2	31.5	26.5	35.5	45.4	25.4	22.7
Smoking	14.5	10.5	13.2	10.2	12.6	19.7	7.1	6.7
Lightning	12.8	9.4	10.8	9.7	11.3	12.4	7.7	8.2
Caused by children	7.7	10.8	11.6	11.2	11.8	12.9	6.5	7.0
Railroads	6.8	5.2	6.9	5.5	7.2	6.7	3.2	3.2
Equipment use	3.4	4.6	7.1	7.2	9.2	9.2	6.1	5.9
Campfires	3.8	4.0	4.3	3.8	4.2	4.4	3.2	2.7
Miscellaneous	8.1	12.4	13.3	11.7	16.7	19.0	11.4	12.6
FIRE PROTECTION EXPENDITURES ^{3,7} (mil. dol.)								
Total funds	113.5	169.0	212.0	216.2	(NA)	(NA)	(NA)	(NA)
Federal	16.4	25.2	30.0	30.6	22.7	19.9	11.7	11.5
State and county	95.3	143.9	182.0	185.6	{ ⁶ 220.7 (NA)	⁶ 251.8 (NA)	⁶ 243.2 (NA)	* 233.9 (NA)

NA Not available. ¹ Comprises land administered by U.S. Dept. of Agriculture, U.S. Dept. of Interior, and Tennessee Valley Authority, etc. ² Includes nonforest watershed areas under U.S. Dept. of Interior protection. ³ Beginning 1975, includes Guam. ⁴ Includes nonforest watershed areas. ⁵ For protected areas only. ⁶ Includes 2,029 fires in 1980, 1,680 in 1981 in Puerto Rico not reported by cause. ⁷ For fire protection on State, county, and private lands only. For fiscal years ending in year shown; see text, section 9. ⁸ State funds only.

Source: U.S. Forest Service, *Wildfire Statistics*, annual; and unpublished data.

NO. 1175. TIMBER-BASED INDUSTRIES—EMPLOYMENT AND AVERAGE HOURLY EARNINGS: 1970 TO 1985

[Data for production workers. See also *Historical Statistics, Colonial Times to 1970*, series L 212-223]

SIC ¹ Code	ITEM	EMPLOYEES (1,000)						EARNINGS (dollars)					
		1970	1975	1980	1983	1984	1985	1970	1975	1980	1983	1984	1985
24	Lumber and wood products ²	554	517	578	547	590	587	2.96	4.26	6.55	7.80	8.03	8.22
241	Logging camps and contractors.....	(NA) 196	59 180	71 190	65 171	68 180	66 173	(NA) 2.84	5.28 4.34	8.64 6.70	10.17 8.20	10.70 8.42	10.95 8.52
242	Sawmills and planing mills.....												
243	Millwork, plywood, and structural members.....	(NA)	137	164	165	185	183	(NA)	4.26	6.41	7.64	7.81	8.07
26	Paper and allied products.....	543	480	523	485	512	518	3.44	5.01	7.84	9.93	10.41	10.82
25	Furniture and fixtures.....	362	337	376	356	390	394	2.77	3.78	5.49	6.62	6.84	7.17

NA Not available. ¹ Standard Industrial Classification; see text, section 28. ² Excludes other industries, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 1176. TIMBER PRODUCTS—PRODUCTION, FOREIGN TRADE, AND CONSUMPTION, BY TYPE OF PRODUCT: 1960 TO 1984

[In millions of cubic feet, roundwood equivalent. See also *Historical Statistics, Colonial Times to 1970*, series L 72-86]

ITEM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984, prel.
Industrial roundwood:										
Domestic production ¹	8,920	11,105	10,575	12,570	12,955	12,090	10,915	10,825	12,015	12,745
Softwoods.....	6,930	8,635	8,380	9,850	10,135	9,280	8,485	8,410	9,275	9,855
Hardwoods.....	1,995	2,470	2,195	2,720	2,815	2,810	2,430	2,410	2,740	2,890
Imports.....	1,680	2,430	2,215	3,765	3,655	3,250	3,165	3,015	3,710	4,175
Exports.....	455	1,540	1,685	1,845	2,135	2,350	2,090	1,995	2,110	2,065
Consumption ²	10,145	11,995	11,105	14,485	14,470	12,995	11,985	11,820	13,615	14,855
Softwoods.....	8,085	9,425	8,875	11,660	11,605	10,335	9,655	9,540	10,970	12,050
Hardwoods.....	2,080	2,565	2,230	2,825	2,865	2,660	2,335	2,300	2,640	2,800
Lumber:										
Domestic production.....	9,580	5,215	4,890	6,155	6,115	5,300	4,615	4,635	5,375	5,825
Imports.....	610	955	930	1,910	1,800	1,540	1,490	1,460	1,915	2,130
Exports.....	135	195	255	275	340	395	380	320	360	340
Consumption.....	5,560	5,970	5,565	7,790	7,580	6,450	5,720	5,780	6,930	7,615
Plywood and veneer:										
Domestic production.....	705	1,020	1,165	1,460	1,370	1,175	1,180	1,135	1,365	1,405
Imports.....	60	170	170	230	195	120	140	115	160	145
Exports.....	(2)	15	70	40	45	45	70	50	65	45
Consumption.....	765	1,170	1,265	1,650	1,520	1,250	1,260	1,200	1,460	1,505
Pulp products:										
Domestic production.....	2,575	3,835	3,485	3,745	4,110	4,390	4,125	3,980	4,165	4,355
Imports.....	985	1,280	1,108	1,595	1,635	1,565	1,515	1,415	1,805	1,870
Exports.....	275	720	715	720	805	1,070	985	900	965	935
Consumption.....	3,290	4,400	3,875	4,625	4,935	4,885	4,645	4,495	4,805	5,290
Logs:										
Imports.....	20	25	15	20	25	25	20	20	30	30
Exports.....	45	465	455	585	670	560	425	550	565	600
Pulpwood chips, exports.....	—	145	195	225	280	275	220	175	155	145
Other industrial prod. ⁴ consumption.....	510	425	385	400	410	390	350	345	390	415
Fuelwood consumption.....	1,300	540	570	1,570	2,270	3,190	3,225	3,480	3,425	3,450

- Represents zero. Z Less than 500,000 cubic feet. ¹ Includes log exports. ² Includes log imports. ³ Excludes Alaska and Hawaii. ⁴ Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, etc.

NO. 1177. TIMBER PRODUCTS—PER CAPITA CONSUMPTION: 1960 TO 1984

[Based on total population estimated as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 87-97]

PRODUCT	Unit	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984, prel.
All products.....	Cu. ft.....	63.3	61.1	54.1	72.1	74.4	71.0	66.1	65.9	72.6	77.2
Industrial roundwood.....	Cu. ft.....	56.1	58.5	51.4	65.1	64.3	57.0	52.1	50.9	58.0	62.7
Lumber.....	Cu. ft.....	30.8	29.1	25.8	35.0	33.7	28.3	24.9	24.8	23.5	32.1
Plywood and veneer.....	Cu. ft.....	4.2	5.7	5.9	7.4	6.8	5.5	5.4	5.2	6.2	6.4
Pulp products.....	Cu. ft.....	18.2	21.4	17.9	20.8	21.9	21.4	20.2	19.3	20.5	22.3
Other products.....	Cu. ft.....	2.8	2.1	1.8	1.8	1.8	1.7	1.5	1.5	1.7	1.8
Fuelwood.....	Cu. ft.....	7.2	2.6	2.6	7.1	10.1	14.0	14.0	15.0	14.6	14.6
Lumber.....	Bd. ft.....	199	193	171	229	222	188	164	161	190	206
Plywood and veneer.....	Bd. ft.....	25	34	32	40	37	30	28	28	34	35
Pulp products.....	Cords (128 cu. ft.).....	.2	.3	.2	.3	.3	.3	.3	.2	.3	.3

Source of tables 1176 and 1177: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-85*, annual.

Forests and Forest Products

NO. 1178. SELECTED TIMBER PRODUCTS—PRODUCER PRICE INDEXES: 1970 TO 1985

(See also *Historical Statistics, Colonial Times to 1970*, series L 206–210)

INDEX AND PRODUCT	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
1967=100												
Softwood lumber ¹	113	201	248	297	346	380	345	343	322	370	364	345
Douglas fir	109	212	251	291	340	384	353	312	266	362	328	337
Southern pine	115	175	217	263	305	324	297	292	286	320	320	301
Hardwood lumber ¹	115	180	176	200	236	260	252	255	262	284	320	307
Plywood ²	108	161	187	212	236	251	247	246	232	244	242	231
Softwood	114	201	248	296	328	323	309	307	282	310	304	303
Hardwood	103	120	123	128	140	169	177	180	181	180	180	163
Insulation board	111	144	161	178	203	199	208	242	251	263	270	(NA)
Woodpulp	110	283	286	281	267	315	380	397	379	347	397	347
Paper	111	173	182	194	206	230	257	280	286	282	303	303
Paperboard	101	170	176	176	180	202	235	258	255	251	282	275
Containerboard	99	172	176	172	173	198	231	253	246	(NA)	(NA)	(NA)
Hardboard and particleboard	93	114	124	141	170	166	198	213	220	229	238	233
Dec. 1980=100												
Hardwood lumber:												
Oak, red, #1, common	43	60	73	91	113	120	103	(NA)	115	143	187	140
Gum #2, common	50	63	69	84	111	117	108	(NA)	(NA)	105	122	117
Poplar #1, common	62	71	77	81	97	102	99	104	(NA)	(NA)	104	102
Softwood, ponderosa pine, #3 boards	23	42	54	68	77	93	84	88	73	75	81	69

NA Not available. ¹ Includes lumber listed below and other softwoods or hardwoods. ² Includes softwood plywood veneer.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, annual.

NO. 1179. SELECTED SPECIES—STUMPPAGE AND LOG PRICES IN CURRENT AND CONSTANT (1967) DOLLARS: 1970 TO 1985

[In dollars per 1,000 board feet. Stumpage prices are based on sales of sawtimber from National Forests. See also *Historical Statistics, Colonial Times to 1970*, series L 199–205]

SPECIES	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
CURRENT DOLLARS											
Softwoods:											
Douglas-fir ¹	41.90	169.50	225.90	250.30	394.40	432.20	350.20	118.20	161.60	132.90	126.20
Southern pine ²	44.10	57.00	100.30	134.50	155.20	155.40	172.00	127.20	140.60	139.40	90.70
Sugar pine ³	38.50	99.20	186.60	159.60	365.00	666.60	225.20	71.90	137.70	84.30	109.70
Ponderosa pine ⁴	32.10	71.20	131.40	164.70	239.00	206.10	195.20	66.90	104.00	122.70	101.40
Western hemlock ⁵	20.50	68.80	89.30	113.60	200.80	212.70	163.40	44.50	62.20	61.80	50.50
Hardwoods: ⁶											
All eastern hardwoods	26.90	33.90	37.90	41.10	46.80	52.40	50.90	56.40	60.10	90.10	65.40
Oak, white, red, and black	26.60	25.70	60.00	59.20	68.80	65.60	63.20	70.80	87.90	145.00	94.50
Maple	34.40	39.60	42.10	57.40	33.90	37.40	41.50	34.30	25.00	48.80	56.20
Douglas-fir log prices: ⁷											
Saw logs ⁸	89.30	168.70	242.80	284.80	382.20	379.80	331.40	308.80	277.30	288.60	239.30
Peeler logs ⁹	136.60	274.40	322.20	446.40	571.30	584.40	563.90	460.90	427.50	414.00	364.50
CONSTANT (1967) DOLLARS¹⁰											
Softwoods:											
Douglas-fir ¹	38.00	96.90	116.30	119.60	167.40	160.80	119.40	39.50	53.30	42.80	40.90
Southern pine ²	39.90	32.60	51.60	64.30	65.90	57.80	58.60	42.50	46.40	44.90	29.40
Sugar pine ³	34.80	56.70	87.30	76.30	154.90	248.00	76.80	24.00	45.40	27.20	35.50
Ponderosa pine ⁴	29.10	40.70	67.70	78.70	101.40	76.70	66.50	22.40	34.30	39.50	32.80
Western hemlock ⁵	18.60	39.30	46.00	54.30	85.20	79.10	55.70	14.90	20.50	19.80	16.40
Hardwoods: ⁶											
All eastern hardwoods	24.40	19.40	19.50	19.60	19.80	19.50	17.30	18.80	19.80	29.00	21.20
Oak, white, red, and black	24.10	17.00	30.90	28.30	29.20	24.40	21.50	23.70	29.00	46.70	30.60
Maple	31.20	22.80	21.70	27.40	14.40	13.90	14.10	11.50	8.20	15.70	18.20
Douglas-fir log prices: ⁷											
Saw logs ⁸	80.90	96.50	125.00	136.00	162.20	141.30	113.00	103.20	91.50	93.00	77.50
Peeler logs ⁹	123.70	156.90	165.90	213.30	242.50	217.40	192.20	154.00	141.00	133.40	118.00

¹ Western Washington and western Oregon. ² Southern region. ³ Pacific Southwest region (formerly California region).

⁴ Pacific Southwest region (formerly California region). Includes Jeffrey pine. ⁵ Pacific Northwest region. ⁶ Eastern and Southern regions. ⁷ (Scriber log scale.) Prices are for western Washington and northwest Oregon and represent average transactions which may take place at a variety of points in the distribution process, e.g., at a river dump, reloading or truck scaling station, or on delivery to a mill.

⁸ Includes mixed grades, ungraded, and, beginning 1975 grade 4 logs. ⁹ Includes special fir peeler or special mill grade. ¹⁰ Deflated by the producer price index, all commodities.

Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950–85*, annual.

Lumber Production and Consumption

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No. 1180. LUMBER PRODUCTION AND CONSUMPTION, BY KIND OF WOOD: 1960 TO 1984

[In millions of board feet, except as indicated. 1980 excludes Alaska and Hawaii. Based on sample survey; see source for sampling variability. See also *Historical Statistics, Colonial Times to 1970*, series L 98-112 and L 122-137]

ITEM	1960	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984 ¹
Total production.....	32,926	34,668	32,619	39,362	40,498	40,569	35,354	31,672	30,010	34,572	37,401
Softwoods ²	26,672	27,530	26,747	32,681	33,467	33,255	28,239	25,420	24,949	28,927	31,185
Cedar.....	(S)	633	821	967	929	837	722	757	470	744	714
Douglas fir.....	8,832	7,727	7,329	8,543	8,601	8,425	6,853	5,868	4,842	6,434	7,740
Hemlock.....	2,032	1,980	2,020	2,439	2,728	2,505	1,855	1,501	1,284	1,316	1,870
Ponderosa pine.....	3,169	3,429	3,544	4,167	4,175	3,966	3,269	2,894	2,350	2,869	3,627
Redwood.....	1,000	1,078	1,054	1,148	917	896	770	730	760	852	984
Southern yellow pine.....	5,660	7,083	6,967	8,879	9,231	9,283	8,217	8,415	8,754	10,181	10,674
White fir.....	2,224	2,063	2,012	2,184	2,099	2,140	1,643	1,253	974	1,316	1,870
White pine.....	675	898	947	1,080	1,154	(S)	(S)	502	272	(NA)	(NA)
Hardwoods ²	6,254	7,138	5,872	6,701	7,031	7,314	7,115	6,252	5,061	5,844	6,216
Ash.....	125	159	124	144	160	(S)	(S)	130	122	224	210
Beech.....	195	188	136	137	146	193	183	95	88	112	105
Cottonwood and aspen.....	206	229	253	355	372	374	303	155	105	197	197
Elm.....	195	155	117	149	151	151	149	77	57	(NA)	(NA)
Maple.....	602	742	531	563	561	*217	*225	426	367	524	526
Oak.....	2,789	3,250	2,724	3,103	3,220	3,461	3,356	1,922	1,855	2,163	2,488
Sweet gum ⁴	331	376	245	377	412	401	371	231	183	278	289
Tupelo and black gum.....	292	335	251	252	267	(S)	(S)	79	64	409	475
Yellow poplar.....	592	606	555	605	645	673	661	399	323	537	537
Domestic consumption ⁵	35,225	38,073	36,100	47,699	49,637	47,547	40,104	37,919	36,273	45,138	48,652
Percent net imports ⁶	8.7	12.7	12.2	19.0	21.1	19.9	18.7	19.0	20.2	20.1	24.0
Softwoods.....	28,974	31,585	30,309	40,809	42,640	40,608	33,832	32,064	31,173	39,742	42,857
Per capita (bd. ft.) ⁷	164	155	141	186	192	181	149	140	134	170	181
Mill stocks, yearend.....	5,285	4,340	4,063	4,109	4,032	4,230	4,228	4,167	4,270	4,606	4,594
Exports.....	668	1,152	1,373	1,412	1,369	1,745	1,956	1,878	1,630	1,745	1,469
Imports.....	3,631	5,769	5,711	10,380	11,825	11,118	9,540	9,205	9,119	11,947	13,270
Hardwoods.....	6,252	6,488	5,791	6,890	6,997	6,939	6,272	5,855	5,098	5,937	5,795
Per capita (bd. ft.) ⁷	35	32	27	31	32	31	28	25	22	23	23
Mill stocks, yearend.....	2,067	1,144	875	787	820	1,105	1,572	1,727	1,539	1,334	1,556
Exports.....	173	198	165	226	320	307	379	406	356	478	466
Imports.....	291	347	224	341	361	376	293	291	211	261	328

NA Not available. S Figure does not meet publication standards. ¹ Production data preliminary. ² Includes types not shown separately. ³ Excludes hard maple. ⁴ Red and sap. ⁵ Source: Through 1970, Copeland Economics Group, Inc., Stamford, CT; thereafter, National Forest Products Association, Washington, DC. ⁶ The Economics Monthly Bulletin, quarterly edition (copyright). ⁷ Imports minus exports. ⁸ Based on resident population estimated as of July 1.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

No. 1181. LUMBER PRODUCTION, BY GEOGRAPHIC AREA: 1970 TO 1984

[In billion board feet. Data based in part on a sample of sawmills and are subject to sampling variability; see source. For composition of divisions, see fig. I, inside front cover. See *Historical Statistics, Colonial Times to 1970*, series L 113-121, for data by regions]

SECTION AND DIVISION	1970	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
United States.....	34.7	38.6	34.6	32.6	37.0	39.4	40.5	40.6	35.4	31.7	30.0	34.6	37.4
North ²	4.4	4.6	4.4	4.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3.8	4.3	4.6
Hardwood.....	3.4	3.5	3.3	3.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.7	3.0	3.3
Softwood.....	1.0	1.1	1.1	1.1	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.3	1.4
South ²	10.8	11.4	10.4	9.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	10.8	12.7	13.4
Hardwood.....	3.6	3.4	3.4	2.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	2.0	2.4	2.7
Softwood.....	7.2	8.0	7.0	7.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	8.8	10.3	10.7
West ²	19.4	22.6	19.7	18.8	21.1	21.8	21.7	21.1	17.2	(NA)	15.4	17.6	19.3
Hardwood.....	.1	.2	.2	.1	.1	.2	.2	.2	.3	(NA)	.2	.2	.2
Softwood.....	19.3	22.4	19.5	18.6	20.9	21.6	21.4	20.9	16.9	(NA)	15.1	17.4	19.1
New England.....	.7	.8	.8	.8	.9	.9	1.0	1.0	1.1	.7	1.0	1.2	1.3
Middle Atlantic.....	.8	.6	.9	.7	.8	.9	.9	.9	.5	.8	.8	.9	.9
East North Central.....	1.2	1.3	1.2	1.1	1.2	1.3	1.4	1.4	1.3	1.0	1.1	1.2	1.4
West North Central.....	.6	.6	.6	.5	.6	.7	.6	.6	.2	.3	.4	.6	.7
South Atlantic.....	5.2	5.5	5.1	4.7	5.2	5.3	5.4	5.8	5.2	4.4	5.4	6.5	6.7
East South Central.....	3.4	3.6	3.4	3.0	3.3	3.6	3.7	3.6	3.2	2.8	3.2	3.8	4.2
West South Central.....	3.2	3.3	2.9	3.0	3.1	3.5	3.6	3.2	2.9	2.3	2.6	3.1	3.2
Mountain.....	4.2	4.6	3.9	3.9	4.6	4.7	4.7	4.5	3.8	3.3	3.8	4.3	4.3
Pacific.....	15.3	18.0	15.8	14.8	16.6	17.1	17.0	16.6	13.4	11.2	12.2	13.6	15.0

NA Not available. ¹ Includes amounts not specified by division. ² Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-86*, annual. Sections are as defined by the Forest Service, see table 1172.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series MA-24T, annual.

Forests and Forest Products

No. 1182. WOOD PRODUCTS—PRODUCTION: 1960 TO 1984

ITEM	Unit	1960	1970	1975	1978	1979	1980	1981	1982	1983 ¹	1984, ¹ prel.
Hardwood flooring.....	Mil. bd. ft.....	915	333	165	385	360	292	315	275	365	400
Softwood plywood.....	Bil. sq. ft., % basis.....	7.8	14.1	15.7	19.5	18.2	15.5	15.6	14.1	18.0	18.4
Insulation boards.....	1,000 short tons.....	1,098	1,219	1,249	1,425	1,351	1,051	845	729	900	830
Hardboard.....	1,000 short tons.....	686	1,463	1,784	2,416	2,291	1,970	1,858	1,465	1,900	1,750
Particleboard.....	Mil. sq. ft., %* basis.....	268	1,764	2,503	3,866	3,536	3,029	2,930	2,470	3,010	3,100

¹ Estimated by the International Trade Administration.Source: U.S. Dept. of Commerce, International Trade Administration, *Forest Products Review*, monthly (discontinued April 1983); and unpublished data. Based on reports of U.S. Bureau of the Census and National Particleboard Association, Silver Spring, MD.

No. 1183. PAPER AND PAPERBOARD—PRODUCTION AND CONSUMPTION: 1970 TO 1985

[In millions of short tons. See also *Historical Statistics, Colonial Times to 1970*, series L 172, L 174, and L 178-191]

ITEM	PRODUCTION						CONSUMPTION ¹					
	1970	1975	1980	1983	1984	1985	1970	1975	1980	1983	1984	1985
Total paper and paperboard.....	51.7	51.1	63.7	66.9	70.2	69.0	56.0	54.3	67.3	71.4	76.9	76.5
Paper: Newsprint.....	3.5	3.7	4.7	5.2	5.5	5.4	9.8	9.0	11.8	11.8	13.1	13.6
Coated printing, converting.....	3.3	3.2	4.7	5.7	6.2	5.9	3.2	3.1	4.7	5.8	6.6	6.3
Uncoated free sheet.....	5.1	5.4	8.0	8.8	9.2	9.8	5.1	5.3	8.1	8.9	9.6	10.1
Other printing, writing, etc.....	2.6	2.5	2.9	2.9	2.9	2.8	2.7	2.6	3.2	3.6	4.0	3.8
Packaging and industrial converting.....	5.2	4.7	5.6	5.5	5.8	5.2	5.1	4.4	5.3	5.5	5.4	5.1
Tissue and other machine creped.....	3.7	4.0	4.4	4.8	4.9	4.9	3.7	3.9	4.3	4.8	4.8	5.0
Paperboard: Unbleached kraft.....	11.5	11.5	15.3	16.1	17.2	16.4	9.9	10.5	13.0	13.9	15.1	14.6
Bleached kraft.....	3.3	3.3	3.9	3.9	4.0	4.0	3.2	3.1	3.3	3.4	3.5	3.4
Semichemical.....	3.5	3.7	4.7	4.7	5.2	5.1	3.4	3.6	4.4	4.6	5.2	5.1
Recycled finish.....	7.0	6.2	7.1	7.4	7.6	7.7	7.0	6.2	7.0	7.4	7.5	7.5
Construction paper and board ²	3.0	3.0	2.6	1.8	1.8	1.8	3.0	3.0	3.0	2.3	2.2	2.2

¹ Total consumption of paper and paperboard includes net imports of paper and paperboard converted products; not available by grade. ² Source: U.S. Bureau of the Census, *Current Industrial Reports*, through 1980. Includes wet machine board, approximately 100,000-160,000 tons per year; 1983-1985 data estimated by American Paper Institute.Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual.

No. 1184. NEWSPRINT—PRODUCTION, STOCKS, CONSUMPTION, IMPORTS, AND PRICE INDEX: 1960 TO 1985

[In thousands of metric tons, except price index and imports (imports shown in short tons). See also *Historical Statistics, Colonial Times to 1970*, series L 192-198]

COUNTRY AND ITEM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Canada: Production.....	6,114	7,808	8,966	8,841	8,758	8,625	8,950	8,109	8,486	9,013	8,988
Shipments from mills.....	6,125	7,795	7,010	8,913	8,780	8,622	8,913	8,054	8,439	9,018	8,986
Stocks at mills, end of year.....	127	214	86	184	162	165	202	256	303	298	290
United States:											
Estimated consumption ¹	6,634	8,805	8,395	9,877	10,199	10,088	10,164	10,107	10,587	11,491	11,580
Production.....	1,849	3,142	3,348	3,418	3,685	4,239	4,752	4,574	4,688	5,025	4,924
Shipments from mills.....	1,842	3,136	3,347	3,429	3,689	4,234	4,735	4,526	4,674	5,065	4,927
Stocks, end of year: At mills.....	24	30	19	20	16	21	38	86	99	60	57
At and in transit to publishers.....	570	680	666	660	628	732	961	854	790	874	910
Imports ²	5,412	6,635	5,847	7,484	7,223	7,279	6,977	6,531	6,919	7,894	8,472
Producer price index (1967 = 100).....	96.1	107.6	184.0	226.3	250.2	279.3	308.0	315.8	303.0	323.1	332.5

¹ By all users. Based on American Paper Institute data. ² Source: Reports of U.S. Bureau of the Census. Includes Puerto Rico and beginning 1981, Virgin Islands. ³ Average for 11 months.Source: Except as noted, U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. Data from American Paper Institute, Inc., New York, NY, and Canadian Pulp & Paper Association.

No. 1185. WASTEPAPER UTILIZATION AND RECOVERY RATES: 1960 TO 1985

[In millions of short tons, except percent. Recovery rate is ratio of total wastepaper recovered to new supply. Wastepaper utilization is the ratio of wastepaper consumption at paper and board mills to paper and board production. See *Historical Statistics, Colonial Times to 1970*, series L 175, for U.S. wastepaper consumption]

ITEM	1960	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Paper and board, production ¹	33.9	51.7	51.1	62.2	64.5	63.7	64.4	61.2	66.9	70.2	69.0
Wastepaper consumption.....	9.0	11.8	11.7	14.8	15.4	14.9	15.0	14.4	15.6	16.7	16.0
Wastepaper utilization rate (percent).....	26.5	22.8	23.0	23.7	23.8	23.4	23.3	23.6	24.4	23.8	23.2
Other wastepaper uses ².....	.20	.42	.54	.50	.51	.47	.49	.48	.46	.48	.46
Wastepaper exports.....	.15	.41	.86	1.60	2.23	2.66	2.21	2.13	2.57	3.24	3.29
Total wastepaper recovered.....	9.3	12.6	13.1	16.8	18.0	18.0	17.7	17.1	18.6	20.3	19.7
Paper and board, new supply ³	38.5	56.0	54.3	68.0	70.0	67.3	69.1	64.9	71.2	76.9	76.5
Recovery rate (percent).....	24.2	22.4	24.1	24.7	25.8	26.7	25.9	26.1	26.1	26.4	25.8

¹ Excludes hard pressed board; includes construction paper and board, and wet machine board. ² Source: U.S. Bureau of the Census, Report FT 446. ³ Estimated. ⁴ Excludes production of hard pressed board.Source: Except as noted, American Paper Institute, Inc., New York, NY, *Statistics of Paper, Paperboard, and Woodpulp*, annual, and unpublished data.

NO. 1186. SELECTED WOOD PRODUCTS—PRODUCTION AND CONSUMPTION: 1970 TO 1985

[See also *Historical Statistics of the United States, Colonial Times to 1970*, series L 151-170]

ITEM	Unit	1970	1975	1978	1980	1981	1982	1983	1984	1985
PULPWOOD										
Receipts, total	Mil. standard cords ¹	68.9	65.4	76.9	81.0	79.3	77.3	83.4	88.0	84.6
Softwood	Mil. standard cords ¹	52.4	49.3	57.4	60.2	58.8	56.4	59.8	62.9	60.0
Hardwood	Mil. standard cords ¹	16.5	16.2	19.5	20.8	20.5	20.9	23.6	25.2	24.6
Consumption, total	Mil. standard cords ¹	67.6	65.4	77.6	79.7	79.3	77.8	83.5	87.0	84.1
Softwood	Mil. standard cords ¹	51.3	48.9	57.9	58.8	58.5	56.4	59.9	62.0	59.7
Hardwood	Mil. standard cords ¹	16.3	16.5	18.7	20.9	20.8	21.1	23.6	24.9	24.4
Inventories ²	Mil. standard cords ¹	6.6	6.6	5.4	6.7	5.9	5.4	5.2	5.2	6.1
WOODPULP										
Production	Mil. short tons	49.9	43.1	51.2	53.0	52.8	51.0	54.1	57.8	56.9
Consumption, ³ total	Mil. short tons	43.2	42.4	51.6	52.4	52.8	50.2	54.0	57.5	56.5
Own pulp	Mil. short tons	38.9	38.5	46.0	46.6	47.3	44.6	47.7	50.3	49.5
Purchased pulp	Mil. short tons	4.3	3.9	5.6	5.9	5.5	5.6	6.3	7.2	7.0
PLYWOOD										
Softwood:										
Production	Mil. sq. ft. ⁴	14,149	15,706	18,204	15,483	15,524	15,134	18,281	18,665	19,208
Consumption, total	Mil. sq. ft. ⁴	(NA)	(NA)	18,116	15,145	14,983	14,741	17,737	18,626	18,995
Value	Mil. dol.	949	(NA)	3,124	2,582	2,390	2,177	2,877	2,995	3,080
Hardwood:										
Production	Mil. sq. ft. ⁵	1,904	1,280	1,452	1,311	1,232	1,163	1,248	1,185	1,040
Consumption, total	Mil. sq. ft. ⁵	5,772	4,970	5,281	3,416	3,837	3,173	4,324	3,631	4,324
Value	Mil. dol.	516	586	1,242	977	1,085	920	1,131	1,199	1,148

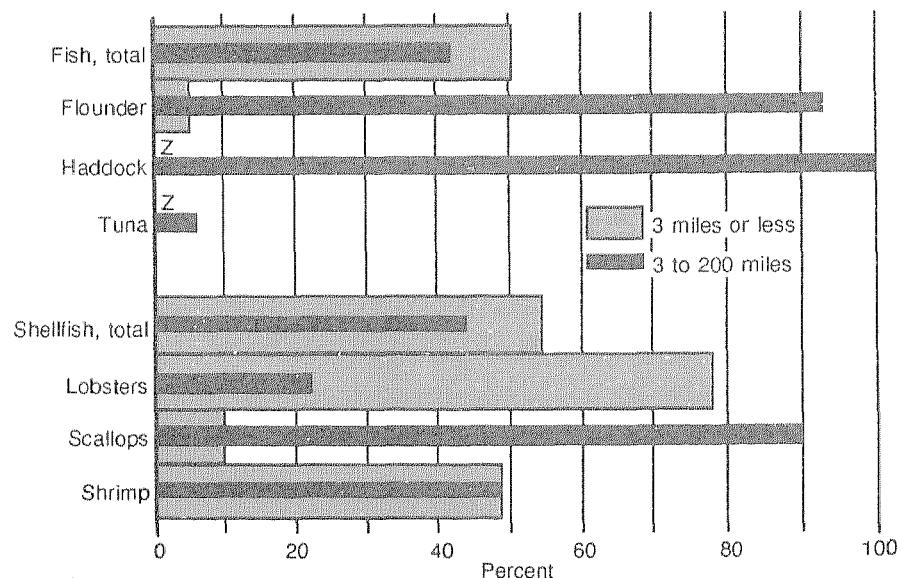
¹ Not available.² 128 cubic feet roughwood bases.³ As of Dec. 31.⁴ In the manufacture of paper and board.⁵ % basis.⁶ Surface measure.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA26-A, MA24-H, and MA24-F.

NO. 1187. SELECTED TIMBER PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1985

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
IMPORTS ¹											
Lumber, total ²	Mil. bd. ft.	6,114	5,976	12,215	11,530	9,866	9,523	9,360	12,254	13,632	15,008
From Canada	Mil. bd. ft.	96.0	96.0	97.3	97.0	97.5	97.5	98.2	98.3	97.9	97.6
Percent	Mil. bd. ft.	5,778	5,724	11,853	11,153	9,573	9,232	9,150	11,993	13,304	14,644
Softwoods	Mil. bd. ft.	434	717	2,413	2,551	1,826	1,763	1,624	2,589	2,681	2,888
Value	Mil. bd. ft.	337	252	361	376	293	291	211	260	328	364
Hardwoods	Mil. bd. ft.	62	70	141	187	152	154	104	134	173	180
Logs, total	Mil. bd. ft. ³	144	85	97	133	128	101	117	165	147	99
From Canada	Mil. bd. ft. ³	79.6	93.9	88.7	83.6	97.4	98.3	98.6	97.9	97.4	81.8
Softwoods	Mil. bd. ft. ³	107	69	79	118	114	88	89	142	117	71
Value	Mil. bd. ft. ³	9	12	14	26	17	17	23	24	15	17
Hardwoods	Mil. bd. ft. ³	38	17	18	15	13	14	18	23	30	28
Value	Mil. bd. ft. ³	5	3	3	3	3	3	3	3	5	4
Logs, total	Mil. bd. ft. ³	1,000 tons	7,115	6,253	9,113	9,123	8,780	8,339	8,024	8,886	11,075
Paper and board ⁴	Mil. bd. ft.	1,039	1,606	2,814	3,208	3,418	3,672	3,682	4,019	5,324	5,698
Value	Mil. dol.	3,518	3,078	4,023	4,318	4,051	4,087	3,656	4,093	4,490	4,468
Paper and board ⁴	Mil. dol.	483	1,007	1,066	1,465	1,684	1,764	1,493	1,472	1,845	1,521
Plywood	Mil. sq. ft.	4,171	3,913	5,199	4,243	2,477	3,047	2,270	3,393	3,056	3,609
Value	Mil. dol.	208	260	524	591	409	465	331	451	438	463
EXPORTS											
Lumber, total ²	Mil. bd. ft.	1,243	1,618	1,741	2,142	2,494	2,406	2,021	2,270	2,150	1,945
To: Canada	Mil. bd. ft.	21.7	34.0	37.2	30.4	25.3	30.3	20.7	29.3	25.8	23.7
Percent	Mil. bd. ft.	30.8	31.9	23.6	30.2	26.0	21.8	31.1	27.8	28.0	32.1
Japan	Mil. bd. ft.	24.1	15.1	20.0	21.3	23.8	16.6	20.3	20.2	16.0	15.1
Europe	Mil. bd. ft.	1,115	1,405	1,354	1,781	2,007	1,928	1,635	1,756	1,824	1,518
Softwoods	Mil. bd. ft.	163	346	462	791	789	664	582	608	541	497
Value	Mil. bd. ft.	128	213	387	361	487	478	386	514	527	427
Hardwoods	Mil. bd. ft.	31	68	157	225	272	269	229	305	300	300
Value	Mil. bd. ft.	36	43	103	138	129	92	84	98	101	91
Logs, total	Mil. bd. ft. ³	2,741	2,667	3,409	3,897	3,261	2,469	3,208	3,307	3,495	3,843
To: Canada	Mil. bd. ft. ³	10.6	10.4	10.8	10.5	9.7	9.8	9.4	10.5	12.1	11.6
Japan	Mil. bd. ft. ³	86.3	84.6	77.6	80.8	78.0	71.3	61.7	55.4	50.4	49.4
Softwoods	Mil. bd. ft. ³	2,672	2,601	3,298	3,768	3,109	2,377	3,115	3,369	3,732	
Value	Mil. dol.	320	661	1,077	1,614	1,452	1,003	1,174	1,068	1,079	1,169
Hardwoods	Mil. bd. ft. ³	69	66	111	129	152	112	93	112	126	111
Value	Mil. dol.	36	43	103	138	129	92	84	98	101	91
Paper and board ⁴	1,000 tons	2,817	3,116	3,373	3,572	5,214	4,641	4,246	4,589	4,387	4,077
Value	Mil. dol.	602	1,315	1,560	1,914	2,773	2,891	2,589	2,481	2,552	2,268
Woodpulp	1,000 tons	3,095	2,782	2,599	2,935	3,806	3,678	3,395	3,644	3,584	3,791
Value	Mil. dol.	484	875	817	1,104	1,652	1,661	1,415	1,382	1,502	1,353
Plywood	Mil. sq. ft.	183	871	333	435	420	741	493	815	407	365
Value	Mil. dol.	16	141	74	107	108	178	117	143	94	86

¹ Customs value of imports; see text, section 30. ² Includes railroad ties. ³ Log scale. ⁴ Includes paper and board products. Excludes hardboard.Source: U.S. Forest Service, *U.S. Timber Production, Trade, Consumption, and Price Statistics: 1950 to 1985*.

Figure 25.1

U.S. Catch of Fish and Shellfish, by Distance Caught off U.S. Shores: 1985

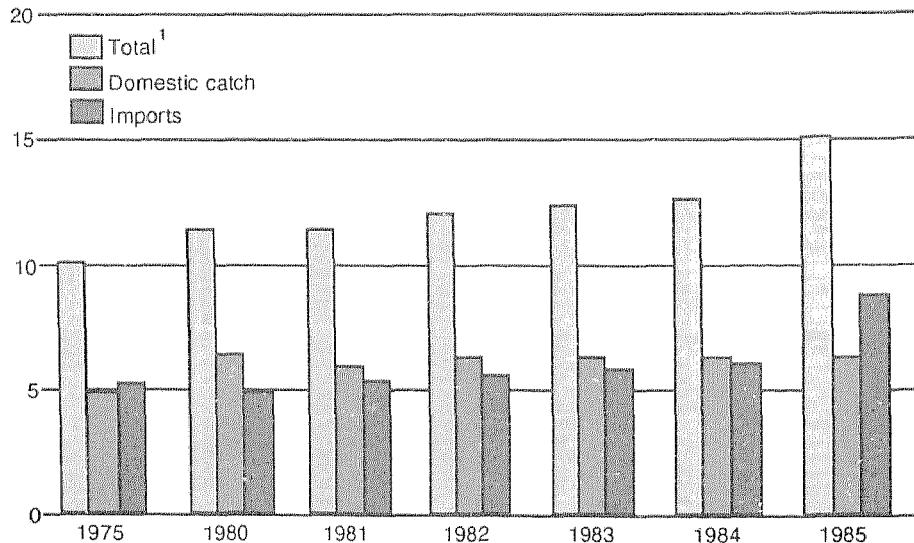
Z=Less than .5 percent.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1190.

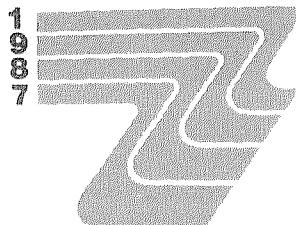
Figure 25.2

Fishery Products – Supply: 1975 to 1985

Billions of pounds

¹ Supply of edible, industrial and commercial products.

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1192.



Section 25

Fisheries

This section presents statistics on commercial fishing and the fish processing industry. The principal sources of these data are *Fishery Statistics of the United States*, and *Fisheries of the United States*, both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA).

The NMFS collects and disseminates data on commercial landings of fish and shellfish, freezings and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports include quantity and value of commercial landings of fish and shellfish (by species, region, State, and type of fishing gear), disposition of landings, number of fishermen, and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual output of canned, packaged, and industrial products and, for the wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State.

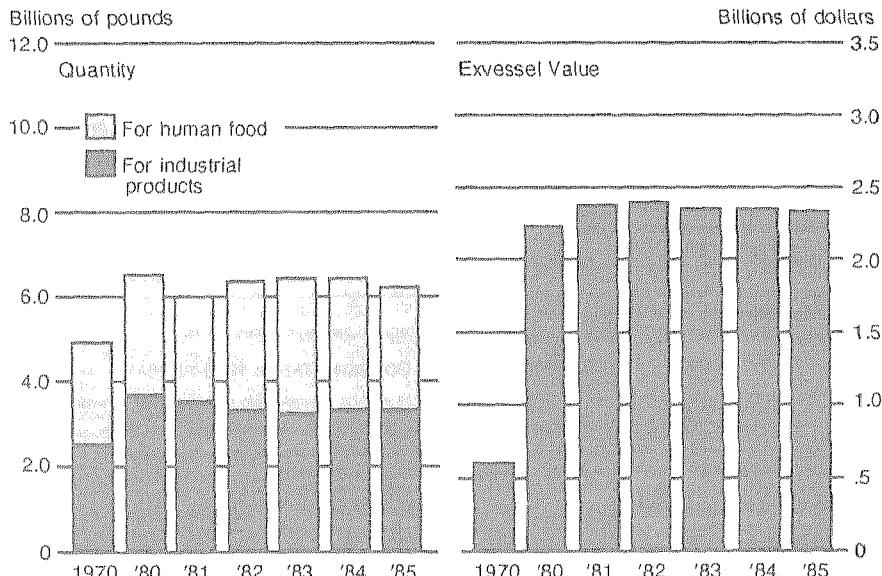
The Magnuson Fishery Conservation and Management Act of 1976 established a Fisheries Conservation Zone (FCZ) which gives the Federal Government exclusive authority over domestic and foreign fisheries within 200 nautical miles of U.S. shores and over certain living marine resources beyond the FCZ. Within the FCZ, the total allowable level of foreign fishing, if any, is that portion of the "optimum yield" not harvested by U.S. vessels. Adjustments in the "optimum yield" level may occur periodically. For details, see *Fisheries of the United States, 1983*. The NMFS collects and disseminates data on catches by foreign fishing vessels in the FCZ.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Figure 25.3

Fisheries – Quantity and Value of Domestic Catch: 1970 to 1985



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1192.

Fisheries

No 1188. FISHERIES—QUANTITY AND VALUE OF DOMESTIC CATCH: 1960 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series L 224-226, L 229, and L 310]

YEAR	QUANTITY (mil. lb. ¹)				Aver-	YEAR	QUANTITY (mil. lb. ¹)				Ex-	Aver-	
	Total	For human food	For industrial products	vessel value (mil. dol.)	age price per lb. (cents)		Total	For human food	For industrial products	vessel value (mil. dol.)	age price per lb. (cents)		
1960.....	4,942	2,498	2,444	354	7.2	1977.....	5,271	2,952	2,319	1,554	29.5		
1965.....	4,777	2,587	2,190	446	9.3	1978, prel.	6,028	3,177	2,851	1,854	30.7		
1970.....	4,917	2,537	2,380	613	12.5	1979, prel.	6,267	3,318	2,949	2,234	35.6		
1971.....	5,018	2,441	2,577	651	13.0	1980, prel.	6,482	3,654	2,828	2,237	34.5		
1972.....	4,806	2,435	2,371	748	15.6	1981, prel.	5,977	3,547	2,430	2,388	40.0		
1973.....	4,858	2,398	2,460	937	19.3	1982, prel.	6,387	3,265	3,082	2,390	37.5		
1974.....	4,967	2,496	2,471	892	18.7	1983, prel.	6,439	3,238	3,201	2,355	36.6		
1975.....	4,877	2,465	2,412	977	20.0	1984, prel.	6,438	3,320	3,118	2,350	36.5		
1976.....	5,388	2,775	2,613	1,349	25.0	1985, prel.	6,258	3,294	2,984	2,326	37.2		

¹ Live weight. ² Meal, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

No. 1189. DOMESTIC FISH AND SHELLFISH CATCH, BY SPECIES: 1980 TO 1985

SPECIES	1983		1984		1985		1980-1984, avg. quantity (1,000 lb.)	RECORD CATCH	
	Quantity (1,000 lb.)	Value (\$1,000)	Quantity (1,000 lb.)	Value (\$1,000)	Quantity (1,000 lb.)	Value (\$1,000)		Year	Quantity (1,000 lb.)
Total	6,438,724	2,355,446	6,437,783	2,350,462	6,257,842	2,526,237	(x)	(NA)	(NA)
Fish, total	5,539,463	1,171,021	5,456,184	1,188,427	5,214,363	1,193,427	(x)	(NA)	(NA)
Anchovies	22,305	6,167	17,798	5,631	14,586	2,704	76,393	1975	329,356
Bluefish	16,718	2,576	12,713	2,382	13,743	2,363	15,621	(NA)	(NA)
Butterfish	10,601	3,310	26,026	7,056	10,338	3,537	14,739	(NA)	(NA)
Cod: Atlantic	112,474	37,928	96,775	36,143	82,823	35,140	106,479	1988	294,351
Pacific	108,990	18,451	115,608	20,966	120,275	18,556	71,755	1985	120,275
Croaker	8,374	3,249	10,570	3,552	11,088	3,658	15,889	1945	64,668
Flounders	253,528	116,440	219,895	124,289	195,718	129,121	223,987	1983	253,528
Haddock	32,553	18,968	25,997	18,352	19,418	13,545	42,781	1929	283,809
Halibut	45,230	40,704	47,903	28,435	61,032	38,376	39,236	1932	66,996
Herring, sea; Pacific	129,236	41,229	104,742	22,159	142,074	47,025	115,659	1937	329,356
Jack mackerel	39,800	3,414	23,350	1,963	20,852	1,770	39,236	1952	146,522
Mackerel, Pacific	72,818	6,293	93,406	7,612	75,453	6,324	75,612	(NA)	(NA)
Menahden	2,062,821	119,334	2,891,076	117,297	2,739,401	100,680	2,644,401	1983	2,962,811
Mullet	25,549	5,970	22,782	5,426	21,205	5,720	30,095	1902	43,385
Ocean perch, Atlantic	13,289	3,498	12,333	3,550	9,666	3,179	17,446	1951	258,320
Pollock, Atlantic	30,820	5,386	39,536	6,439	43,477	6,978	35,738	1985	43,477
Rockfishes	99,315	22,211	85,569	21,813	82,109	23,107	107,392	1983	99,315
Sablefish	40,151	11,597	50,031	17,525	63,380	28,692	37,506	1985	63,380
Salmon	639,293	350,826	691,409	391,452	726,946	439,795	640,075	1985	726,946
Scup or porgy	18,783	8,744	18,505	8,775	15,996	9,398	19,914	1980	49,229
Sea trout, gray	17,543	7,759	19,726	7,541	16,400	7,330	23,594	1945	41,420
Snapper, red	6,942	12,268	5,745	10,107	5,181	10,681	5,926	1902	23,457
Swordfish	11,940	31,883	12,831	37,063	12,258	33,191	10,557	(NA)	(NA)
Tuna	278,692	143,351	211,830	118,352	83,054	52,515	298,502	1978	490,567
Whiting	37,498	6,862	46,214	6,867	44,545	8,274	38,271	1957	133,041
Shellfish, total	899,261	1,184,425	981,589	1,161,850	1,043,279	1,132,810	(x)	(NA)	(NA)
Clams	115,405	96,440	132,921	116,491	150,551	128,349	114,526	1985	150,551
Crabs	316,992	223,374	312,953	186,578	337,632	203,044	389,730	1977	412,774
Lobsters: American	44,206	106,768	43,967	114,348	46,152	114,895	40,413	1985	46,152
Oysters	50,160	67,323	48,287	80,817	44,173	70,053	50,382	1908	152,046
Scallops: Calico	9,806	12,010	39,330	21,620	12,513	12,524	14,917	1984	39,330
Sea	20,478	111,529	18,427	97,875	15,829	74,562	23,852	1981	27,461
Shrimp	249,671	503,395	301,754	488,400	383,691	472,850	305,833	1977	476,469

NA Not available. X Not applicable.

Source: U.S. National Oceanic and Atmospheric Administration, *Fisheries of the United States*, annual.

No. 1190. FISHERIES—DISPOSITION OF DOMESTIC CATCH: 1970 TO 1985

[Live weight catch in millions of pounds. 1977-1985 preliminary. In addition to whole fish, a large portion of waste (400-500 million lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown. See *Historical Statistics, Colonial Times to 1970*, series L 305-310, for similar but not entirely comparable data]

DISPOSITION	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	4,917	4,877	5,388	5,198	6,028	6,267	6,482	5,977	6,367	6,439	6,448	6,258
Fresh and frozen	1,595	1,744	1,921	2,025	2,237	2,394	2,621	2,547	2,550	2,304	2,558	2,725
Canned	1,150	907	1,051	1,078	1,099	1,046	1,161	1,118	891	1,087	906	749
Cured	71	55	55	55	52	94	96	90	85	80	82	70
Reduced to meal, oil, etc.	2,101	2,171	2,361	2,040	2,640	2,733	2,804	2,222	2,841	2,968	2,892	2,714

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

Catch and Value—Products—Employment

665

NO. 1191. FISHERIES—DOMESTIC CATCH AND EX-VESSEL VALUE BY AREA: 1980 TO 1985

[See *Historical Statistics, Colonial Times to 1970*, series L 236–253, for data on quantity and ex-vessel value of catch]

AREA	CATCH (mil. lb.)					VALUE (mil. dol.)				
	1980	1982	1983	1984	1985	1980	1982	1983	1984	1985
United States	6,482	6,367	6,439	6,438	6,258	2,237	2,390	2,355	2,350	2,326
New England States.....	788	687	711	694	590	327	374	435	434	419
Middle Atlantic States.....	244	129	128	153	151	97	93	94	109	101
Chesapeake Bay States.....	717	791	841	663	815	130	120	130	138	124
South Atlantic States.....	473	427	397	402	311	148	164	173	150	158
Gulf States.....	1,979	2,300	2,443	2,644	2,412	463	614	615	656	597
Pacific Coast States.....	2,140	1,872	1,739	1,701	1,816	1,025	984	846	795	863
Great Lakes States.....	44	36	47	61	54	14	13	14	14	15
Hawaii.....	11	14	29	35	17	12	14	18	29	22
Other ¹	85	109	103	85	92	21	34	30	25	29

¹ Mississippi River and other areas.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

NO. 1192. FISHERY PRODUCTS—SUPPLY: 1970 TO 1985

[Live weight, in millions of pounds, except percent. 1978–1985 preliminary. See *Historical Statistics, Colonial Times to 1970*, series L 224–226, for domestic catch]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total.....	11,474	10,164	11,593	10,652	11,509	11,831	11,357	11,353	12,011	12,352	12,552	15,061
For human food.....	6,213	6,394	7,404	7,466	8,135	8,251	8,006	8,267	7,988	8,413	8,498	9,248
Finfish.....	(NA)	4,848	5,657	5,641	6,263	6,324	6,139	6,318	6,090	6,358	8,303	7,001
Shellfish ¹	(NA)	1,546	1,747	1,825	1,872	1,927	1,867	1,951	1,879	2,065	2,195	2,247
For industrial use	5,261	3,770	4,189	3,166	3,374	3,580	3,351	3,086	4,043	3,939	4,054	5,813
Domestic catch.....	4,917	4,877	5,388	5,271	6,028	6,267	6,482	5,977	6,387	6,439	6,438	6,258
Percent of total.....	42.8	47.9	46.5	49.5	52.4	53.0	57.1	52.7	53.0	52.1	51.3	41.6
For human food.....	2,537	2,465	2,775	2,952	3,177	3,318	3,654	3,547	3,265	3,238	3,320	3,294
Finfish.....	(NA)	1,548	1,776	1,833	2,018	2,204	2,516	2,414	2,324	2,351	2,348	2,273
Shellfish ¹	(NA)	917	999	1,119	1,159	1,114	1,138	1,133	961	887	972	1,021
For industrial use.....	2,380	2,412	2,613	2,319	2,851	2,949	2,828	2,430	3,082	3,201	3,118	2,964
Imports.....	6,557	5,287	6,205	5,381	5,481	5,564	4,875	5,376	5,644	5,913	6,114	8,803
Percent of total.....	57.2	62.1	53.5	50.5	47.6	47.0	42.9	47.3	47.0	47.9	48.7	58.4
For human food.....	3,676	3,929	4,629	4,514	4,958	4,933	4,352	4,720	4,683	5,175	5,178	5,954
Finfish.....	(NA)	3,300	3,881	3,808	4,245	4,120	3,623	3,902	3,766	4,007	3,955	4,728
Shellfish ¹	(NA)	629	748	706	713	613	729	818	917	1,168	1,223	1,226
For industrial use ^a	2,881	3,958	1,576	867	623	631	523	656	961	738	936	2,849

NA. Not available. ¹ For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. ² Excludes imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. ³ Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

NO. 1193. FISHERIES—EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS: 1970 TO 1984

[In thousands. As of Dec. 31. Data for employment and establishments exclude Alaska. See also *Historical Statistics, Colonial Times to 1970*, series L 254–261]

ITEM	1970	1974	1975	1976	1977	1978, prel.	1979, prel.	1980, prel.	1981, prel.	1982, prel.	1983, prel.	1984, prel.
Persons employed in U.S.	227	253	260	267	280	257	267	296	303	314	333	340
Fishermen	140	161	168	174	182	172	184	193	198	216	223	230
Shore workers ¹	87	92	92	93	98	85	83	103	105	98	110	110
Craft used.....	68	101	103	103	107	104	103	113	115	123	127	127
Vessels, 5 net tons and over.....	14	16	16	17	17	18	18	19	20	20	21	24
Motorboats.....	72	83	85	84	88	84	84	93	93	102	105	102
Other boats.....	2	2	2	2	2	2	1	1	2	1	1	1
Fishery shore establishments	3.7	3.5	3.6	3.6	3.6	3.3	3.4	3.6	3.6	3.6	3.9	4.0

¹ Seasonal average.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

Fisheries

No. 1194. FISHERIES, SELECTED COUNTRIES—COMMERCIAL CATCH: 1975 TO 1983

[In billions of pounds, live weight. Catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals. World total includes countries not shown separately]

COUNTRY	1975	1980	1981	1982	1983	COUNTRY	1975	1980	1981	1982	1983
World total ¹	146.9	160.9	167.1	171.3	171.3	Iceland	2.2	3.4	3.2	1.8	1.9
United States.....	8.4	8.1	8.4	8.9	9.3	Philippines.....	3.2	3.5	3.8	4.0	4.1
Japan.....	22.2	23.4	23.9	24.1	25.2	Canada.....	2.2	3.0	3.2	3.1	3.0
Soviet Union.....	22.3	21.2	21.4	22.3	21.9	Korea, D.P.R. (est.).....	2.4	3.1	3.4	3.5	3.6
Peru.....	7.7	6.1	6.1	7.8	3.3	Spain.....	3.4	2.8	2.8	3.1	2.8
Chile.....	2.0	6.3	7.6	8.2	8.9	Vietnam (est.).....	1.2	1.4	1.4	1.4	1.8
Norway.....	5.6	5.4	5.7	5.6	6.3	Brazil.....	1.7	1.8	1.9	1.9	1.9
India.....	5.1	5.5	5.5	5.2	5.6	Mexico.....	1.0	2.7	3.4	3.0	2.4
Korea, Rep. of.....	4.2	4.7	5.3	5.1	5.4	France.....	1.8	1.8	1.8	1.7	1.8
Denmark.....	4.0	4.5	4.1	4.3	4.2	South Africa, Rep. of.....	1.3	1.4	1.4	1.4	1.3
Indonesia.....	3.1	4.1	4.3	4.5	4.7	Poland.....	1.8	1.4	1.4	1.4	1.6
Thailand.....	3.5	4.0	4.5	4.7	5.0	U.K. (Scotland).....	1.0	.9	1.1	1.2	1.2
						U.K. (England, Wales).....	1.1	.9	.8	.7	.6

¹ Includes other countries not shown separately.

Source: Food and Agricultural Organization of the United Nations, Rome, Italy, *Yearbook of Fishery Statistics, 1983*, vol. 56.

No. 1195. PRICES RECEIVED BY FISHERMEN AND VESSEL OWNERS: 1970 TO 1984

[Cents per pound. Live weight. 1979–1984 data are preliminary. Based on prices received by fishermen and vessel owners. See also *Historical Statistics, Colonial Times to 1970*, series L 321–337]

SPECIES	Point of pricing	1970	1975	1978	1979	1980	1981	1982	1983	1984
Fish:										
Cod.....	Massachusetts.....	19.1	24.2	25.4	29.3	27.3	33.0	36.2	33.9	37.9
Flounder.....	Massachusetts.....	15.3	34.9	50.5	47.2	42.4	57.9	56.7	54.0	96.5
Haddock.....	Massachusetts.....	25.8	32.8	31.9	42.6	38.7	39.4	49.5	58.6	71.5
Menhaden.....	(No specific point).....	1.8	2.7	3.8	4.2	4.5	3.8	3.8	4.0	4.0
Ocean perch.....	Maine, Massachusetts.....	4.9	10.3	17.1	21.0	23.0	28.3	27.4	26.6	28.8
Salmon, chinook.....	(No specific point).....	55.4	85.9	133.8	173.5	166.3	182.5	182.3	127.3	173.1
Salmon, coho.....	(No specific point).....	39.3	77.6	118.6	142.5	109.7	94.5	99.4	66.5	90.5
Tuna, albacore.....	(No specific point).....	26.7	33.3	60.6	64.7	80.1	91.0	69.1	61.6	82.3
Shellfish:										
Clams, soft.....	Maine.....	47.5	86.9	124.3	144.6	150.7	156.7	152.3	174.8	222.8
Crabs, blue, hard.....	Maryland, Virginia.....	6.6	15.7	20.5	19.1	20.3	23.4	32.2	28.1	29.0
Lobsters, American.....	Maine.....	94.7	161.5	177.1	180.3	189.7	206.6	221.8	233.1	252.2
Oysters, eastern.....	Maryland, Virginia.....	61.1	80.1	110.7	125.9	131.3	128.2	129.5	144.3	211.4
Sea scallops.....	Massachusetts.....	135.6	188.8	253.5	340.3	404.2	406.8	384.2	570.0	560.3
Shrimp.....	So. Atlantic, Gulf.....	47.6	107.0	130.6	185.4	149.0	152.4	206.2	216.2	173.2

Source: U.S. National Oceanic and Atmospheric Administration, *Prices Received by Fishermen*, H.S. No. 12 (C.F.S. No. 4657 Revised); *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1196. COMMERCIAL FISHERY PRODUCTS—PER CAPITA CONSUMPTION: 1970 TO 1985

[Pounds of edible meat. 1979–1985 preliminary. Based on U.S. Bureau of the Census estimates of the civilian resident population as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 294–304]

PRODUCT	1970	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total.....	11.8	12.5	12.8	12.1	12.2	12.9	12.7	13.4	13.0	12.8	12.9	12.3	13.1	13.7	14.5
Fresh and frozen.....	6.9	7.1	7.4	6.9	7.5	8.2	7.7	8.1	7.8	8.0	7.8	7.7	8.0	8.5	9.0
Fish ¹	4.5	4.7	5.2	4.4	4.9	5.6	5.1	5.5	5.4	5.5	5.0	5.1	5.2	5.3	5.6
Shellfish.....	2.4	2.4	2.2	2.5	2.6	2.6	2.6	2.4	2.5	2.8	2.6	2.8	3.2	3.4	3.4
Canned.....	4.5	4.9	5.0	4.7	4.3	4.2	4.6	5.0	4.8	4.5	4.8	4.3	4.8	4.9	5.2
Tuna.....	2.5	2.9	3.1	3.1	2.9	2.8	2.8	3.3	3.3	2.9	3.1	2.7	3.1	3.2	3.3
Salmon.....	.7	.7	.4	.3	.4	.4	.5	.6	.6	.5	.5	.5	.6	.6	.6
Shellfish.....	.5	.5	.5	.5	.4	.4	.6	.5	.5	.5	.5	.5	.4	.4	.5
Sardines.....	.4	.4	.5	.4	.4	.2	.3	.3	.3	.3	.3	.3	.2	.2	.3
Other.....	.4	.4	.4	.4	.4	.3	.4	.4	.3	.3	.3	.4	.4	.5	.3
Cured .....	.4	.5	.4	.5	.4	.5	.4	.3	.4	.3	.3	.3	.3	.3	.3

¹ Beginning 1973, includes consumption of artificially cultivated catfish.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1197. CATCH AND CATCH LIMITS IN THE U.S. FISHERY CONSERVATION ZONE (FCZ), BY COUNTRY: 1981 TO 1985

[In millions of pounds live weight. Data are preliminary. Excludes tuna. (In 1981, U.S. domestic catch of tuna in FCZ was 35 mil. lb., in 1982 and 1983, 23 mil. lb., in 1984, 24 mil. lb., and in 1985, 32 mil. lb.). Allocations (catch limits) set by species for countries fishing within 200 to 300 miles of U.S. shores. For details, see text, section 25, and source]

COUNTRY	ACTUAL CATCH					ALLOCATION				
	1981	1982	1983	1984	1985	1981	1982	1983	1984	1985
Total catch in FCZ	5,968	5,451	5,440	5,923	5,507	(x)	(x)	(x)	(x)	(x)
U.S.	2,920	2,331	2,525	2,939	2,941	(x)	(x)	(x)	(x)	(x)
Foreign	3,648	3,120	2,894	2,984	2,566	1,4,638	1,4,270	1,4,265	1,4,278	1,3,254
Japan	2,558	2,384	2,143	2,072	1,780	3,140	3,038	2,585	2,554	1,988
U.S.S.R.	(x)	(x)	(x)	51	23	(x)	(x)	(x)	77	24
Korea, Rep. of	536	636	613	608	498	592	677	716	727	552
Poland	362	(x)	(x)	153	183	508	(x)	(x)	174	197
Canada	66	66	51	(x)	(x)	(x)	(x)	(x)	(x)	(x)
Spain	43	34	10	9	13	62	36	30	22	20
Italy	26	32	20	25	44	50	45	32	19	16
Germany, Fed. Rep. of	26	36	52	53	(x)	53	49	64	62	(x)
Portugal	(x)	(z)	(x)	(z)	(x)	24	24	5	17	1
Bulgaria	16	16	(x)	(x)	(x)	50	40	1	(x)	(x)
Faroë Islands	(x)	(z)	(x)	(x)	(x)	1	1	1	1	(z)
China; Taiwan	13	15	(x)	(x)	(x)	48	47	15	(x)	(x)
Cuba	(x)	(x)	(x)	(x)	(x)	15	(x)	(x)	(x)	(x)
Romania	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
German Dem. Rep.	(x)	(x)	3	12	24	(x)	12	11	26	63

X Not applicable. Z Less than 500,000 pounds.

¹ Includes countries not shown separately.

² Included with Italy.

No. 1198. U.S. CATCH AND VALUE OF FISH AND SHELLFISH, BY DISTANCE CAUGHT OFF U.S. SHORES—SELECTED SPECIES: 1985

[Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States and catches by U.S. flag vessels unloaded onto foreign vessels within the U.S. FCZ (joint venture)]

SPECIES	Total U.S. catch ¹ (mil. lb.)	BY DISTANCE FROM U.S. SHORES						Value of U.S. catch ¹ (mil. dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES			
		Catch (mil. lb.)			Percent of U.S. catch				3 miles or less ²	3 to 200 miles	Over 200 miles	
		3 miles or less ²	3 to 200 miles	Over 200 miles	3 miles or less ²	3 to 200 miles	Over 200 miles		3 miles or less ²	3 to 200 miles	Over 200 miles	
Fish, total ³	7,648.3	3,929.1	3,219.3	499.9	51.4	42.1	6.5	1,455.8	48.9	37.8	13.3	
Cod, Atlantic	82.8	2.6	79.9	3	3.1	86.5	.4	35.1	3.4	96.3	.3	
Flounder	591.8	28.1	551.6	12.1	4.7	93.3	2.0	154.0	11.3	84.3	4.4	
Haddock	14.4	(z)	14.4	(z)	(z)	100.0	(z)	13.5	(z)	100.0	(z)	
Halibut	61.0	23.5	37.4	1	38.5	61.3	.2	38.4	32.6	67.2	(z)	
Herring, sea	189.2	182.0	17.2	(z)	91.4	8.6	(z)	50.0	98.0	2.0	(z)	
Jack mackerel	20.9	2.5	18.4	(z)	12.0	88.0	(z)	1.8	12.0	88.0	(z)	
Menhaden	2,739.4	2,578.5	160.9	(z)	94.1	5.9	(z)	100.7	95.7	4.3	(z)	
Ocean perch	19.3	3.1	15.7	.5	16.1	81.3	2.6	49.9	9.3	87.8	2.9	
Salmon, Pacific	726.9	713.2	13.7	(z)	98.1	1.9	(z)	439.8	95.6	4.4	.3	
Tuna	516.1	.7	31.8	483.6	.1	6.2	93.7	211.7	.3	15.0	84.7	
Shellfish ⁴	1,055.8	582.6	467.2	16.8	55.2	44.2	.6	1,147.1	51.0	47.6	1.5	
Clams (meats) ⁵	150.6	46.4	104.2	(z)	30.8	69.2	(z)	128.3	65.0	35.0	(z)	
Crabs	337.6	232.9	104.7	(z)	69.0	31.0	(z)	203.0	55.3	44.7	(z)	
Lobsters	51.5	40.0	11.3	2	77.7	22.0	3	129.2	74.7	24.8	.5	
Scallops (meats)	29.7	3.0	26.7	(z)	10.1	89.9	(z)	93.0	13.6	86.1	.3	
Shrimp	338.3	165.2	167.2	5.8	48.8	49.4	1.7	485.9	38.5	58.2	3.3	

Z Less than 500,000 pounds or .05 percent. ¹ Includes catch from international waters or off foreign shores. ² Includes all landings in Great Lakes and other inland waters. ³ Includes other species not shown separately.

Source of tables 1197 and 1198: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual and *Fisheries of the United States*, annual.

No. 1199. SUPPLY OF TUNA, SALMON, AND SARDINES: 1970 TO 1985

[In millions of pounds. 1979-85 preliminary]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Tuna: Domestic landings, live weight	478	570	458	566	508	500	490	473	586	583	516
Imports, fresh and frozen, live weight	465	517	670	870	810	770	770	559	534	457	492
Canned tuna, total supply	510	582	585	757	674	686	698	626	713	777	759
Canned salmon, for U.S. consumption	168	59	115	116	98	126	152	71	127	151	114
Domestic pack	183	78	136	149	149	200	215	112	181	200	162
Exports	17	23	21	33	51	74	63	41	54	49	48
Imports	2	3	1	(z)	(z)	(z)	(z)	(z)	1	2	
Canned sardines, total supply	66	57	74	75	80	71	86	68	48	59	77
Imports	47	31	50	49	50	51	55	50	35	45	57

Z Less than 500,000 lb. ¹ Record catch.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

Fisheries

NO. 1200. FISHERIES—QUANTITY AND VALUE OF CATCH, BY STATE, AND CATCH OF PRINCIPAL SPECIES, BY AREA: 1970 TO 1985

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars, 1980-1985 preliminary.
See also *Historical Statistics, Colonial Times to 1970*, series L 262-293]

AREA, STATE, CATCH, AND VALUE	1970	1980	1984	1985	AREA, STATE, CATCH, AND VALUE	1970	1980	1984	1985
New England:					Catch for certain species:				
Catch	531	788	694	590	Crabs	43	55	52	48
Value	91	327	433	419	Menhaden	136	(D)	(D)	28
Maine:					Shrimp	21	33	19	
Catch	159	245	179	175	Gulf States:				
Value	31	93	108	101	Catch	1,698	1,979	2,644	2,412
New Hampshire:					Value	167	463	656	597
Catch	1	19	12	8	Florida (west coast):				
Value	1	5	8	5	Catch	116	115	112	117
Massachusetts:					Value	31	88	112	114
Catch	287	438	375	296	Alabama:				
Value	47	178	233	232	Catch	30	25	27	30
Rhode Island:					Value	10	25	44	41
Catch	79	81	120	104	Mississippi:				
Value	11	46	70	70	Catch	298	232	477	471
Connecticut:					Value	11	25	47	40
Catch	5	5	8	7	Louisiana:				
Value	2	5	14	12	Catch	1,107	1,412	1,924	1,693
Catch for certain species:					Value	61	174	263	225
Cod	53	118	98	83	Texas:				
Flounder	104	118	115	98	Catch	147	94	104	103
Haddock	27	55	26	14	Value	53	159	190	177
Herring, sea	66	184	74	52	Catch for certain species:				
Lobster, American	30	36	42	44	Crabs	36	45	55	53
Ocean perch, Atlantic	55	24	12	10	Menhaden	1,209	(D)	(D)	(D)
Pollack	9	40	40	43	Mullet	27	31	19	17
Whiting	40	18	33	31	Oysters (meats)	18	17	24	25
Middle Atlantic:					Shrimp	230	208	254	263
Catch	140	244	153	151	Great Lakes: ¹				
Value	30	97	109	101	Catch	72	44	61	54
New York:					Value	6	14	14	15
Catch	32	39	38	39	Superior:				
Value	16	45	40	38	Catch	5	(NA)	(NA)	(NA)
New Jersey:					Value	1	(NA)	(NA)	(NA)
Catch	98	201	112	108	Michigan:				
Value	13	50	67	61	Catch	53	(NA)	(NA)	(NA)
Delaware:					Value	4	(NA)	(NA)	(NA)
Catch	10	4	3	5	Huron:				
Value	1	2	2	2	Catch	2	(NA)	(NA)	(NA)
Catch for certain species:					Value	(Z)	(NA)	(NA)	(NA)
Clams (meats)	63	40	68	73	Erie:				
Menhaden	21	(D)	(D)	(D)	Catch	10	(NA)	(NA)	(NA)
Oysters (meats)	1	3	2	1	Value	1	(NA)	(NA)	(NA)
Scup or porgy	4	8	7	2	Great Lakes:				
Chesapeake Bay:					Pacific Coast:				
Catch	630	717	663	815	Catch	1,480	2,140	1,701	1,816
Value	41	130	138	124	Value	235	1,025	795	663
Maryland:					Washington:				
Catch	80	80	88	92	Catch	134	156	156	167
Value	19	45	55	47	Value	30	86	76	93
Virginia:					Oregon:				
Catch	551	637	574	723	Catch	98	126	82	101
Value	22	85	83	76	Value	23	56	34	46
Catch for certain species:					California:				
Alewives	21	1	1	1	Catch	703	804	459	363
Clams (meats)	23	36	36	47	Value	86	323	175	133
Crabs	70	65	98	91	Alaska:				
Menhaden	450	(D)	(D)	(D)	Catch	545	1,054	1,002	1,185
Oysters (meats)	25	21	13	8	Value	96	560	509	591
South Atlantic:					Catch for certain species:				
Catch	280	473	402	311	Anchovies	193	107	18	15
Value	30	148	150	156	Bonito	9	14	6	5
North Carolina:					Crabs	126	347	93	129
Catch	173	356	276	215	Flounder	46	60	65	68
Value	9	69	57	65	Halibut	34	19	48	61
South Carolina:					Herring, sea	22	107	105	142
Catch	16	21	15	13	Jack mackerel	48	44	23	21
Value	4	20	15	14	Salmon	410	614	670	727
Georgia:					Shrimp	93	98	21	35
Catch	14	19	16	17	Tuna	378	387	177	64
Florida (east coast):					Mississippi River and tributaries:				
Catch	76	77	95	66	Catch	75	85	85	92
Value	12	39	66	57	Value	10	21	25	29

D Withheld to avoid disclosure. NA Not available. Z Less than \$500,000. ¹ Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service. Includes, in addition to lakes shown, small amounts for Lake Ontario, Lake St. Clair, Lake of the Woods, Namakan Lake, and Rainy Lake.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual.

No. 1201. FRESH AND FROZEN FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 to 1985

(Excludes Alaska and Hawaii, except frozen fishery products includes Alaska and Hawaii)

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1975	1980	1982 ¹	1983 ¹	1984 ¹	1985 ¹	1975	1980	1982 ¹	1983 ¹	1984 ¹	1985 ¹
Fish fillets and steaks ²	131.9	202.1	217.6	230.6	252.3	245.1	137.9	261.2	350.6	382.1	410.4	436.8
Cod.....	15.2	31.3	41.5	51.3	69.6	57.4	14.6	43.2	60.0	66.3	96.6	89.2
Flounder.....	41.9	45.9	76.2	80.7	79.0	70.6	53.1	87.4	146.5	137.6	158.9	160.6
Haddock.....	8.2	17.2	13.5	11.7	8.5	7.6	12.3	29.0	24.7	22.0	18.6	19.0
Ocean perch, Atlantic.....	8.4	7.1	5.2	4.3	2.8	2.6	5.7	9.3	7.3	5.7	3.2	3.6
Whiting.....	.1	.6	.1	.1	(*)	(*)	.1	.5	.1	(*)	(*)	(*)
Rockfish.....	5.5	14.2	17.8	17.3	18.4	17.5	3.2	12.8	19.2	22.1	23.3	24.1
Pollack, Atlantic.....	5.7	8.5	9.0	11.3	11.3	14.5	3.6	8.5	10.3	11.6	11.4	16.7
Other.....	46.9	74.3	54.3	53.9	62.7	74.9	45.3	70.5	82.8	94.7	98.4	123.4
Frozen fishery products.....	299.7	228.2	243.0	186.7	188.1	205.2	(NA) (NA)	(NA) (NA)	(NA) (NA)	(NA) (NA)	(NA) (NA)	(NA) (NA)

NA Not available.

¹ Preliminary.² Fresh and frozen.³ Included with "Other."

No. 1202. CANNED FISHERY PRODUCTS—PRODUCTION AND VALUE: 1975 to 1985

(Data shown are for natural pack only. See also *Historical Statistics, Colonial Times to 1970*, series L 338-357 (production data in cases) and L 358)

PRODUCT	PRODUCTION (mil. lb.)								VALUE (mil. dol.)							
	1975	1979	1980	1981	1982	1983	1984	1985	1975	1979	1980	1981	1982	1983	1984	1985
Total ¹	1,382	1,439	1,518	1,476	1,294	1,391	1,411	1,161	1,067	1,743	1,928	1,954	1,498	1,534	1,578	1,393
Tuna.....	529	620	602	627	539	591	614	545	653	1,104	1,144	1,180	918	859	872	821
Salmon.....	78	149	200	215	112	181	200	162	110	258	376	380	174	308	322	256
Clam products.....	76	73	77	88	99	102	114	109	42	61	66	72	85	86	95	110
Mackerel ²	10	26	38	36	39	46	31	15	3	8	12	12	15	17	13	7
Sardines, Maine.....	26	30	20	31	18	13	15	20	25	45	32	55	28	20	25	38
Shrimp.....	12	10	16	-10	6	7	7	4	28	54	80	60	35	41	36	19
Crabs.....	3	5	5	2	1	1	1	1	10	18	19	7	6	6	6	2
Squid.....	8	4	4	9	8	(NA)	(NA)	(NA)	2	2	1	3	3	(NA)	(NA)	2
Oysters ³	2	(z)	(z)	(z)	1	1	6	4	4	1	(z)	1	2	2	5	2

NA Not available. Z Less than 500,000 pounds or \$500,000.

² Includes Jack and a small amount of Pacific mackerel.³ Includes oyster specialties.

No. 1203. PROCESSED FISHERY PRODUCTS, PRODUCTION AND VALUE—SUMMARY: 1975 TO 1985

(Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362-365, for meal, scrap, and oil]

PRODUCT	PRODUCTION (mil. lb. ¹)						VALUE (mil. dol.)					
	1975	1980	1982	1983	1984	1985, prel.	1975	1980	1982	1983	1984	1985, prel.
Total.....	(X)	(X)	(X)	(X)	(X)	(X)	2,651	4,942	4,509	4,741	5,211	(NA)
Packaged fresh and frozen.....	1,113	1,403	1,298	1,345	1,697	(NA)	1,309	2,567	2,870	2,813	3,233	(NA)
Fish not breaded:												
Fillets and steaks, raw.....	132	203	218	231	245	245	138	282	351	362	395	437
Dressed.....	55	40	78	97	98	(NA)	43	56	108	150	183	(NA)
Other ²	26	48	44	59	64	(NA)	22	37	31	42	42	46
Fish breaded, raw or cooked:												
Sticks.....	91	88	91	87	92	96	62	69	106	116	109	111
Fillets, portions, and steaks.....	286	326	302	334	325	(NA)	211	368	381	410	407	(NA)
Shellfish: Not breaded.....	315	497	381	416	489	(NA)	534	1,302	1,173	1,200	1,438	(NA)
Breaded, raw and cooked.....	128	113	124	126	116	(NA)	220	321	444	457	414	(NA)
Specialties, fish and shellfish.....	80	88	60	42	268	(NA)	79	130	78	76	231	(NA)
Canned products ³	1,382	1,516	1,294	1,391	1,411	1,161	1,067	1,928	1,499	1,534	1,578	1,393
Fish and shellfish.....	799	1,010	887	987	1,042	912	920	1,782	1,367	1,394	1,438	1,303
Animal food.....	583	506	407	403	369	249	148	146	132	141	140	90
Cured fish ⁴	55	68	43	55	60	(NA)	102	175	105	159	165	168
Salted (incl. spiced, pickled) ⁵	30	43	17	26	37	(NA)	44	65	32	30	66	(NA)
Smoked.....	24	22	24	26	22	(NA)	56	66	68	68	95	(NA)
Dried (cod) lutefisk ⁵	1	1	2	3	2	(NA)	2	4	5	8	4	(NA)
Industrial products.....	(X)	(X)	(X)	(X)	(X)	(X)	173	272	235	252	234	162
Meal and scrap (mil. tons).....	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	66	134	123	(NA)	(NA)	(NA)
Oil (body and liver).....	246	313	348	399	373	285	33	59	54	67	61	42
Fish solubles (mil. tons).....	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	9	14	16	16	15	18
Other.....	(X)	(X)	(X)	(X)	(X)	(X)	67	66	42	(NA)	(NA)	(NA)

NA Not available. X Not applicable. Z Less than 500,000 tons. ¹ Except as indicated.² Includes balt and unbreaded portions. ³ Includes salmon eggs for bait.⁴ Includes sun-dried and freeze-dried.⁵ In 1976 dried cod was included in salted.Source of tables 1201-1203: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

Fisheries

No. 1204. FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1960 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series L 227-235]

YEAR	IMPORTS			EXPORTS			
	Total value (mil. dol.)	Edible products		Non-edible, value (mil. dol.)	Total value (mil. dol.)	Edible products	
		Quantity (mil. lb.)	Value (mil. dol.)			Quantity (mil. lb.)	Value (mil. dol.)
1960	363	1,095	311	53	44	61	26
1965	601	1,399	479	121	69	96	49
1970	1,037	1,873	813	225	118	140	94
1973	1,583	2,416	1,398	185	299	239	242
1974	1,711	2,267	1,495	215	262	178	195
1975	1,637	1,913	1,367	270	305	218	267
1976	2,329	2,228	1,914	414	385	241	330
1977	2,634	2,176	2,078	555	520	331	473
1978	3,086	2,411	2,256	830	906	448	822
1979	3,809	2,359	2,672	1,137	1,084	554	1,022
1980	3,648	2,145	2,587	982	1,005	574	904
1981	4,206	2,272	3,034	1,172	1,157	668	1,073
1982	4,523	2,225	3,202	1,321	1,059	657	989
1983	5,129	2,387	3,627	1,502	1,021	602	908
1984	5,883	2,454	3,742	2,141	949	574	842
1985, prel.	6,679	2,754	4,064	2,614	1,084	648	1010
							73

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.

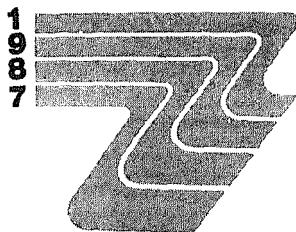
No. 1205. SELECTED FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1982 TO 1985

[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312-318, for selected imports]

PRODUCT	QUANTITY (mil. lb.)				VALUE (mil. dol.)				Rank of three major foreign sources, 1985
	1982	1983	1984, prel.	1985, prel.	1982	1983	1984, prel.	1985, prel.	
IMPORTS									
Edible ¹	2,225.0	2,386.8	2,454.3	2,754.2	3,202.4	3,626.7	3,742.3	4,064.3	(x)
Fresh or frozen	1,921.3	2,051.5	2,057.1	2,229.0	2,806.3	3,211.9	3,281.3	3,461.6	(x)
Whitefish ²	8.3	9.7	8.5	7.5	7.4	7.4	8.5	7.2	Canada, Netherlands, China
Halibut ²	6.7	8.1	12.8	10.4	11.2	13.7	22.1	22.1	Japan, Iceland, Canada
Salmon ²	10.4	14.4	21.1	27.0	22.1	33.4	56.5	75.6	Norway, Canada, United Kingdom
Sea herring	28.8	27.7	24.4	44.3	5.1	4.9	2.5	5.1	Canada, Denmark, Ireland
Smelt	14.4	11.9	8.0	7.7	7.5	6.7	4.6	4.4	Canada, Japan, Norway
Tuna	558.5	505.2	404.2	478.8	380.7	240.0	215.9	266.3	Japan, China: Taiwan, Panama
Groundfish fillets, blocks ³	614.2	682.6	624.0	639.8	629.0	708.0	631.1	655.3	Canada, Iceland, Denmark
Other fillets and steaks	145.7	141.5	165.7	231.0	189.0	188.0	238.3	333.7	(x)
Scallops (meats)	20.9	34.3	27.3	42.0	73.0	158.7	117.3	147.1	Canada, Japan, Peru
Lobster, American and spiny	54.4	63.8	73.4	77.4	315.6	364.0	435.7	464.9	Canada, Australia, Brazil
Shrimp and prawn	268.5	328.3	328.9	342.8	970.0	1,198.9	1,198.9	1,120.7	Mexico, China: Taiwan, Norway
Canned ¹	224.5	257.6	316.4	414.4	308.7	330.4	372.9	465.8	(x)
Anchovies, in oil	4.2	3.8	4.9	5.0	11.0	8.1	10.9	11.3	Spain, Portugal, Morocco
Salmon	.2	.3	.1	1.9	.6	1.5	.1	.1	W. Germany, Canada, Japan
Sardines, in oil	14.1	17.2	17.5	23.0	19.1	21.2	23.4	27.0	Norway, Portugal, Canada
Sardines and herring ⁴	41.3	23.7	31.5	39.8	30.5	21.5	24.8	30.3	Peru, Canada, Iceland
Tuna	87.6	122.3	162.3	213.9	113.3	137.3	167.3	209.1	Peru, Spain, Japan
Bonito and yellowtail	.5	.2	.2	.1	.4	.3	.1	.1	Spain, Portugal, Italy
Crab meat	5.7	6.5	6.2	7.6	16.3	20.6	20.0	21.9	Canada, Thailand, Rep. of Korea
Oysters	22.4	21.6	23.0	28.9	26.5	24.8	26.2	30.2	Hong Kong, Rep. of Korea, Japan
Lobster, American and spiny	3.4	1.2	.4	.9	26.1	8.6	2.1	6.4	Australia, Brazil, Canada
Pickled or salted ¹	64.3	80.9	61.1	57.1	62.5	56.1	55.5	53.4	(x)
Cod, haddock, hake, pollock, cusk	40.8	37.7	38.0	34.7	48.6	42.9	42.3	41.2	Canada, Norway, Spain
Herring	21.2	20.3	20.2	19.7	10.6	9.8	9.9	8.6	Canada, Norway, Iceland
Nonedible scrap and meal	168.7	135.9	166.9	510.7	25.7	21.8	26.5	61.7	(x)
EXPORTS									
Canned salmon	41.2	54.5	49.0	48.2	65.9	97.0	86.8	83.1	(x)
Canned sardines	1.0	1.0	.9	.5	.9	.7	.6	.4	(x)
Fish oil, nonedible	202.3	404.1	399.4	279.1	35.7	59.8	71.0	36.8	(x)

X Not applicable. ¹ Includes products not shown separately. ² Excludes fillets. ³ Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting. ⁴ Not in oil.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual; and *Fisheries of the United States*, annual. Compiled from U.S. Bureau of the Census data.



Section 26

Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in Sections 28 and 32 of this *Abstract*; data on mining employment may be found in Section 13.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, refining and processing and other preparation customarily done at the mine or well site or as a part of extraction activity. (Mineral preparation plants are usually operated together with mines or quarries.) Exploration for minerals is included as is the development of mineral properties.

The principal governmental sources of these data are the three-volume *Minerals Yearbook*, published by the Bureau of Mines, Department of the Interior, and various monthly and annual publications of the Energy Information Administration, Department of Energy. See text, Section 19 for list of Department of Energy publications. In addition, the Bureau of the Census conducts a census of mineral industries every 5 years. Non-government sources include the *Annual Statistical Report of the American Iron and Steel Institute*, Washington, DC; *Metals Week* and the monthly *Engineering and Mining Journal*, issued by the McGraw-Hill Publishing Co., New York, NY; *The Iron Age*, issued weekly by the Chilton Co., Philadelphia, PA; and the *Joint Association Survey of the U.S. Oil and Gas Industry*, conducted jointly by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of nonfuel minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The U.S. Mine Safety and Health Administration also collects and publishes data on workhours, employment, accidents, and injuries in the mineral industries, except petroleum and natural gas. In October 1977, mineral fuel data collection activities of the Bureau of Mines were transferred to the Energy Information Administration.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series.

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1210. Except for crude petroleum and refined products, the export and import figures include foreign trade passing through the customs districts of United States and Puerto Rico, but exclude shipments between U.S. territories and the customs districts.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Mining and Mineral Products

No. 1206. SUMMARY OF MINERAL OPERATIONS: 1958 TO 1982

[Represents mineral operations only. Beginning 1967, excludes single unit establishments without paid employees. See also *Historical Statistics, Colonial Times to 1970*, series M 1-11]

ITEM	Unit	1958	1963	1967	1972	1977	1982
Establishments ¹	Number.....	36,392	38,651	28,579	25,269	31,359	73,005
With 20 or more employees ¹	Number.....	6,045	5,499	5,682	5,312	6,632	10,272
Including all operations in manufactures ¹	Number.....	37,966	40,532	29,688	26,178	31,987	73,348
Excluding oil and gas extraction.....	Number.....	19,444	19,290	13,330	11,680	13,520	12,838
Employees, total	1,000.....	734	616	567	595	799	1,114
Production workers ²	1,000.....	565	482	433	443	593	762
All other.....	1,000.....	169	134	134	152	208	352
Worker-hours, production workers ²	Million.....	1,081	973	892	908	1,183	1,578
Workerhours per production workers.....	1,000.....	1.9	2.0	2.1	2.1	2.0	2.1
Payroll, total	Mil. dol.....	3,749	3,743	4,187	6,226	13,167	28,637
Wages, production workers ²	Mil. dol.....	2,623	2,680	2,888	4,250	9,082	18,030
Salaries, all other employees.....	Mil. dol.....	1,126	1,063	1,299	1,976	4,085	10,607
Cost of supplies, etc. ³	Mil. dol.....	7,521	8,974	10,578	14,884	46,079	109,697
Value added in mining	Mil. dol.....	13,985	15,910	19,330	26,471	68,013	168,056
Metal mining	Mil. dol.....	1,180	1,418	1,557	2,382	3,504	3,215
Coal mining	Mil. dol.....	1,780	1,727	2,091	3,754	11,266	18,691
Oil and gas extraction	Mil. dol.....	9,033	11,020	13,394	17,612	48,587	159,937
Nonmetallic minerals mining.....	Mil. dol.....	1,392	1,745	2,288	2,723	4,856	6,273
Value of shipments and receipts ⁴	Mil. dol.....	16,373	18,804	22,784	36,319	98,375	250,000
Capital expenditures.....	Mil. dol.....	2,804	3,264	4,058	5,036	17,718	47,753

¹ Data for 1982 are not comparable to prior years.
² See footnote 5, table 1209.

Installed.

³ See footnote 7, table 1209.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1972, 1977 and 1982*.

No. 1207. GROSS NATIONAL PRODUCT IN MINING: 1970 TO 1985

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total mining.....	18.7	36.9	41.3	46.0	50.2	56.5	72.7	107.3	143.7	132.1	118.4	125.1	122.8
Percent of total gross national product	1.8	2.5	2.6	2.8	2.5	2.5	2.9	3.9	4.7	4.2	3.5	3.3	3.1
Metal mining	1.5	1.9	1.6	2.0	1.9	2.2	3.3	3.8	3.9	2.3	2.5	3.1	3.4
Coal mining	3.0	7.5	9.1	9.2	9.6	10.2	11.4	12.9	13.8	15.1	14.3	17.3	16.9
Oil and gas extraction	12.2	24.5	27.4	31.5	34.9	39.6	53.1	84.9	120.8	110.2	96.4	99.1	96.4
Nonmetallic minerals, exc. fuels	1.9	3.0	3.2	3.3	3.8	4.4	4.8	5.6	5.2	4.5	5.1	5.6	8.0

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and Survey of Current Business, July issues.

No. 1208. MINING AND PRIMARY METAL PRODUCTION INDEXES: 1970 TO 1985

[1977 = 100. See also *Historical Statistics, Colonial Times to 1970*, series M 68-71]

INDUSTRY GROUP	1970	1973	1974	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985
Mining	98.9	89.3	98.8	96.6	97.4	103.6	106.4	112.4	117.5	108.3	102.9	111.1	108.8
Coal	88.2	85.8	87.3	83.8	97.7	96.0	111.6	116.4	117.8	119.9	113.3	128.1	126.8
Antracite	185.5	118.2	112.4	105.7	105.4	85.8	82.0	102.5	92.2	78.0	70.0	70.8	66.8
Bituminous	87.1	85.4	87.0	93.7	97.6	96.1	112.0	118.6	118.0	120.3	113.8	128.7	127.4
Oil and gas extraction	100.2	100.3	99.6	97.3	95.6	104.5	104.2	111.5	117.8	110.9	102.8	109.1	106.2
Crude oil and natural gas	115.9	112.9	107.8	101.9	99.4	102.8	101.8	103.2	102.3	100.1	98.8	99.9	99.5
Oil and gas drilling	48.7	58.2	72.3	82.0	82.4	117.6	119.5	164.1	214.1	178.8	139.9	165.5	147.5
Metal mining	127.3	115.3	112.1	104.6	114.0	107.3	113.4	103.8	113.2	71.4	65.2	77.0	75.0
Iron ore	162.8	158.2	153.5	144.1	143.5	146.5	154.5	125.4	134.9	66.4	68.8	92.1	87.7
Nonferrous ores	116.3	102.2	99.4	92.5	105.0	90.6	95.9	94.6	104.0	73.5	63.7	70.6	69.6
Copper ore	112.9	113.7	105.6	92.9	105.8	98.5	104.8	85.2	110.9	82.6	75.9	78.6	79.4
Lead and zinc ores	105.7	102.7	111.1	104.4	103.6	88.0	83.4	91.7	78.6	86.2	75.9	60.3	66.0
Primary metals, manufacturing	94.8	114.3	110.7	88.2	98.7	107.0	108.5	90.4	95.0	65.8	73.0	82.3	80.5
Nonferrous metals	82.9	107.1	103.6	81.0	93.5	106.1	109.6	98.3	99.7	81.4	86.2	99.3	99.7
Copper	126.7	125.3	109.4	95.7	107.8	106.5	114.5	88.6	106.4	77.3	80.1	90.2	92.1
Aluminum	87.6	99.8	108.0	85.5	93.4	105.8	110.7	112.7	109.1	79.6	81.4	99.3	84.9
Iron and steel	102.1	118.2	114.5	92.0	101.4	107.5	108.0	86.3	92.5	57.5	66.1	73.4	70.4

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

Mineral Industries

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NO. 1209. MINERAL INDUSTRIES—SUMMARY: 1972 TO 1982

[“N.e.c.” means not elsewhere classified. See also *Historical Statistics, Colonial Times to 1970*, series M1-12.]

MINERAL INDUSTRY	Establishments	1972		1977		1982									
		Establishments		All employees		Establishments*		Production workers ⁶							
		Total	With 20 or more employees	Number (1,000)	Pay-roll ¹ (mil. doll.)	Value added in mining ² (mil. doll.)	With 20 or more employees	Number (1,000)	Pay-roll ¹ (mil. doll.)	Hours ⁴ (mil. hrs.)	Wages ⁵ (mil. doll.)	Value added in mining ² (mil. doll.)	Capital expenditures (mil. doll.)		
All Industries.....	25,269	6,226	26,471	31,359	6,632	799	11,167	68,013	73,005	10,272	1,114	25,637	762		
Mineral mining															
Iron ores.....	1,014	853	2,382	1,206	328	88	1,485	3,504	1,515	328	68	1,860	47		
Copper ores.....	218	702	97	61	19	372	1,046	78	40	12	340	7	1,222	3,215	
Lead and zinc ores.....	387	1,025	133	61	33	544	1,067	81	51	22	604	16	201	5,287	
Gold and silver ores.....	101	200	88	20	105	329	105	71	28	4	112	3	672	1,144	
Other.....	132	72	61	175	20	5	71	161	371	80	10	263	7	201	1,351
Gold and silver ore and placers.....	30	61	175	8	3	40	78	286	59	8	188	5	10	479	
Silver ores.....	81	20	47	49	12	32	83	85	21	3	75	4	5	61	
Bauxite.....	51	10	14	12	6	2	7	31	8	4	150	2	6	171	
Ferroalloy ores, except vanadium.....	10	4	12	17	6	107	256	68	16	5	150	3	6	15	
Ferroalloy ores, except vanadium.....	44	40	137	56	17	42	312	394	22	3	151	4	42	90	
Miscellaneous metal ores.....	172	31	154	80	14	227	502	443	87	12	323	8	17	125	
Anthracite mining	268	71	180	375	80	14	227	502	443	87	12	323	8	17	90
Anthracite mining	230	35	68	176	43	4	51	123	173	41	4	69	3	57	80
Anthracite mining services	213	32	63	156	38	3	48	116	152	40	3	67	3	56	73
Bituminous coal, lignite mining	17	342	3,685	5,275	1,850	4	242	4,120	11,143	5,005	1,856	248	2	5	28,261
Bituminous coal and lignite	3,345	1,742	3,685	5,275	1,850	235	4,005	10,837	4,513	5,767	2,767	198	350	5,188	18,485
Coal mining services, n.e.c.	3,191	1,714	3,626	4,944	1,610	80	7	115	306	492	89	7	166	6	370
Oil and gas extraction	174	129	29	60	321	321	349	5,902	447	48,587	60,511	6,814	111	132	414
Crude petroleum and natural gas.....	14,458	2,525	17,612	18,447	3,128	3,128	38,327	27,538	27,538	1,767	11,633	434	959	13,933	13,937
Crude petroleum and natural gas.....	7,689	1,275	11,422	8,573	1,981	140	2738	1,981	1,981	284	8,084	102	214	27,255	12,869
Oil and gas liquids.....	6,880	1,317	1,019	682	209	13	227	6,974	6,974	2,866	14	402	12	24	8,885
Oil and gas liquids.....	6,239	1,033	9,182	9,208	195	9,208	9,208	32,160	4,584	406	9,207	320	701	6,985	41,010
Drilling field services.....	1,807	422	681	2,635	640	78	1,917	3,207	10,123	1,810	1,810	168	4,007	139	31,112
Oil and gas exploration services.....	7,715	889	212	1,232	116	545	4,220	545	545	42	810	33	73	3,241	11,316
Oil and gas field services, n.e.c.	3,587	522	1,079	5,305	982	99	1,359	3,122	17,909	2,385	188	4,391	32	73	6,207
Nonmetallic minerals mining	6,162	1,070	2,723	6,255	1,443	117	1,609	4,656	5,801	1,233	110	2273	80	144	14,155
Dimension stone.....	198	13	23	209	23	2	19	35	154	22	2	21	1	16	6,273
Crushed and broken stone ⁸	1,937	983	982	2,055	655	41	543	1,501	1,932	567	37	701	2	16	9,068
Sand and gravel ⁹	2,929	322	776	2,807	430	31	418	1,017	2,758	343	28	520	21	42	1,336
Clay and related minerals ⁹	2,919	75	198	205	103	10	136	224	97	11	212	8	139	510	887
Chemical and fertilizer minerals.....	204	203	583	205	112	24	372	1,483	196	114	222	18	35	395	2,287
Nonmetallic minerals, services.....	156	11	176	33	2	36	70	222	150	109	3	3	70	101	519
Miscellaneous.....	459	55	138	548	87	7	87	315	72	6	109	5	10	81	283

* Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures. ¹ Not comparable to prior years for the crude petroleum and natural gas and mining service industries. ² Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. ³ Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). ⁴ Represents value of shipments of primary and secondary products of the industry and amount received for services performed on a contract, fee, or other basis. ⁵ Excludes data for dimension stone quarries operated in conjunction with dressing establishments. ⁶ Represents data for dimension stone quarries included in establishments classified in manufacturing industries. ⁷ Excludes data for mining included in establishments classified in manufacturing industries. ⁸ Excludes data for dimension stone reports.

Z. Less than 500 or 500,000. ¹ Gross earnings paid to all employees on payroll. ² Gross earnings paid to all employees, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery. ³ Excludes proprietors and firm members of unincorporated concerns. ⁴ Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers. ⁵ Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent). ⁶ Represents value of shipments of primary and secondary products of the industry and amount received for services performed on a contract, fee, or other basis. ⁷ Excludes data for dimension stone quarries operated in conjunction with dressing establishments. ⁸ Excludes data for dimension stone reports.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1972, 1977, and 1982*, final industry series reports.

Mining and Mineral Products

NO. 1210. MINERAL PRODUCTION AND VALUE, 1970 TO 1984,

[Data represent production as measured by mine shipments, mine sales, or marketable production]

	MINERAL	Unit	PRODUCTION QUANTITY						
			1970	1975	1980	1981	1982	1983	1984
1	Total mineral production	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
2	Mineral fuels	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
3	Coal: Bituminous and lignite	Mil. sh. ton.	603	648	824	818	834	778	892
4	Pennsylvania anthracite	Mil. sh. ton.	10	6	6	5	5	4	4
5	Natural gas (well)	Tril. cu. ft.	21.92	20.11	20.18	19.96	18.52	16.82	18.23
6	Petroleum (crude)	Mil. bbl. ¹	3,517	3,057	3,146	3,129	3,157	3,171	3,250
7	Uranium ²	Mil. lb.	23.1	23.2	43.7	38.5	26.9	21.2	14.9
8	Nonmetallic minerals	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
9	Abrasive stone ³	Sh. ton.	3,055	2,953	631	2,501	1,285	1,101	1,290
10	Asbestos	1,000 sh. ton.	125	99	88	83	70	77	63
11	Asphalt and related bitumens (native) ⁴	1,000 sh. ton.	1,881	1,902	1,252	1,261	(d)	(d)	(d)
12	Barite	1,000 sh. ton.	854	1,318	2,245	2,849	1,845	754	775
13	Boron minerals	1,000 sh. ton.	1,041	1,172	1,545	1,481	1,234	1,303	1,367
14	Bromine	Mil. lb.	350	407	378	377	401	370	385
15	Calcium chloride	1,000 sh. ton.	633	594	581	705	617	(d)	838
16	Carbon dioxide, natural (estimate)	Mil. cu. ft.	1,110	1,070	1,628	1,577	2,068	—	—
17	Cement: Portland	Mil. sh. ton.	73.2	65.2	71.6	68.2	61.1	67.2	74.4
18	Masonry	Mil. sh. ton.	3.0	2.9	3.0	2.7	2.4	2.8	3.3
19	Clays	Mil. sh. ton.	54.9	49.0	48.8	44.4	35.3	40.8	44.2
20	Diatomite	1,000 sh. ton.	598	573	669	687	613	619	627
21	Emery	1,000 sh. ton.	(d)	3.5	(d)	(d)	(d)	(d)	(d)
22	Feldspar	1,000 sh. ton.	726	670	710	685	615	710	710
23	Fluorspar	1,000 sh. ton.	269	140	93	115	77	81	72
24	Garnet (abrasive)	1,000 sh. ton.	18.8	17.2	26.9	25.5	27.3	29.8	29.6
25	Gem stones (estimate)	(x)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
26	Gypsum	Mil. sh. ton.	9.4	9.8	12.4	11.5	10.5	12.9	14.3
27	Helium ⁵	Mil. cu. ft.	4,600	1,079	1,458	1,398	1,248	1,299	1,654
28	Lime	Mil. sh. ton.	19.7	19.1	19.0	18.9	14.1	14.9	15.9
29	Magnesium compounds ⁶	1,000 sh. ton.	708	(d)	(d)	(d)	(d)	618	(d)
30	Mica: Scrap	1,000 sh. ton.	119	135	116	133	106	140	161
31	Sheet	1,000 lb.	—	5.0	—	—	—	—	—
32	Peat	1,000 sh. ton.	526	746	788	757	789	725	814
33	Perlite	1,000 sh. ton.	456	512	638	591	506	474	498
34	Phosphate rock	Mil. sh. ton.	38.7	48.8	60.0	59.1	41.2	46.9	54.2
35	Polash ⁷	1,000 sh. ton.	2,729	2,094	2,444	2,103	1,967	1,668	1,807
36	Pumice	1,000 sh. ton.	3,036	3,892	543	499	416	449	502
37	Pyrites	1,000 lg. ton.	(d)	625	834	784	665	(d)	(d)
38	Salt (common)	Mil. sh. ton.	45.9	41.0	40.4	38.9	37.9	34.6	39.2
39	Sand and gravel	Mil. sh. ton.	944	789	793	720	621	682	803
40	Sodium carbonate (natural)	1,000 sh. ton.	2,688	4,328	(d)	(d)	(d)	(d)	(d)
41	Sodium sulfate (natural)	1,000 sh. ton.	602	667	583	608	(d)	423	435
42	Slate ⁸	Mil. sh. ton.	869	901	982	874	791	863	957
43	Sulfur: Frasch mines (shipments)	1,000 lg. ton.	6,504	6,077	7,283	5,817	3,541	4,046	4,822
44	Talc, soapstone, pyrophyllite	1,000 sh. ton.	1,028	965	1,473	1,343	1,135	1,066	1,170
45	Tridoli	1,000 sh. ton.	68	81	121	107	113	111	124
46	Vermiculite	1,000 sh. ton.	285	330	337	320	316	282	315
47	Nonmetallic minerals, undistributed ¹⁰	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
48	Metals	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
49	Antimony ore and concentrate	Sh. ton. ¹¹	1,130	886	343	646	503	838	557
50	Bauxite (dried)	1,000 lg. ton. ¹²	2,082	1,772	1,534	1,486	720	668	842
51	Copper ²	1,000 sh. ton.	1,720	1,413	1,302	1,696	1,264	1,144	1,203
52	Gold ²	1,000 fine oz.	1,743	1,052	970	1,379	1,466	1,956	2,059
53	Iron ore, usable ¹⁴	Mil. lg. ton. ¹⁵	87.2	75.7	69.6	72.2	35.8	44.3	(d)
54	Lead ²	1,000 sh. ton.	572	621	607	491	565	495	355
55	Manganiferous ore ¹⁶	1,000 sh. ton. ¹⁶	366	159	174	175	32	34	88
56	Mercury	76 lb. flask	27,298	7,366	30,657	27,904	25,760	25,070	19,048
57	Molybdenum ¹⁷	Mil. lb.	110	105	149	119	76	49	102
58	Nickel ¹⁸	1,000 sh. ton.	15.9	17.0	14.7	12.1	3.2	—	14.5
59	Silver ²	Mil. fine oz.	45.0	34.8	32.3	40.7	40.2	43.4	44.4
60	Titanium concentrate: Ilmenite ²	1,000 sh. ton. ¹⁶	921	702	594	524	233	(d)	(d)
61	Tungsten ore and concentrate	1,000 lb. ¹⁹	9,312	5,490	6,036	7,815	3,473	2,240	2,585
62	Vanadium ²	Sh. ton.	5,319	4,743	4,806	5,126	4,098	2,171	1,617
63	Zinc mine production ²	1,000 sh. ton.	534	489	350	344	334	303	279
64	Metals, undistributed ¹⁰	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)

- Represents zero. D Withheld to avoid disclosing individual company data. NA Not available. X Not applicable. ¹ 42 gal. bbl. ² Recoverable content of ores, etc. ³ Grindstones, pulpstones, millstones, grinding pebbles, sharpening stones, and tubemill liners. ⁴ Contains bituminous limestone and sandstone, and gilsonite. ⁵ Value included in "Nonmetallic minerals, undistributed." ⁶ 1970-1981, crude and refined; 1982-1983, refined only. ⁷ From sea water and brines, except for metals (M_2O equiv.).

⁸ K₂O equivalent; represents sales by producers. ⁹ Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes calcareous marl and slate.

Mineral Production and Value

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AND PRINCIPAL PRODUCING STATES, 1984

(Including consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M 13-37 for selected values]

PRODUCTION VALUE (mil. dol.)							Principal producing States ranked by quantity, 1984
1970	1975	1980	1981	1982	1983	1984	
26,369.7	59,906.9	146,750.0	187,187.0	179,062.0	168,848.0	179,176.0	(x)
							1
18,800.0	45,422.0	121,616.0	161,899.0	159,395.0	147,748.0	156,026.0	(x)
3,770.0	12,470.0	20,200.0	21,510.0	22,620.0	20,110.0	22,750.0	KY, WY, WV, PA, IL.
11.0	200.0	260.0	240.0	230.0	210.0	200.0	PA.
3,730.0	9,050.0	32,090.0	39,510.0	45,550.0	43,570.0	48,490.0	TX, LA, OK, NM.
11,190.0	23,450.0	67,930.0	99,400.0	90,030.0	83,050.0	84,100.0	TX, AK, LA, CA.
(NA)	252.0	1,136.0	1,239.0	955.0	808.0	486.0	WY, NM, TX.
5,791.2	9,570.0	16,213.0	16,446.0	14,150.0	15,263.0	17,173.0	(x)
.6	1.1	1.9	1.1	.6	.5	.6	AR, WI, OH.
10.7	14.2	30.6	30.7	24.9	27.9	24.2	CA and VT.
8.9	17.8	25.0	27.7	(D)	(5)	(5)	TX and UT.
12.8	21.2	66.0	102.4	69.5	29.2	25.4	NV, GA, MO, MT.
86.8	158.8	365.8	435.4	384.6	439.2	456.7	CA.
60.6	113.1	95.4	90.2	102.6	91.0	95.0	AR and MI.
15.2	29.0	47.9	61.7	61.5	(5)	93.0	MI and CA.
.2	.3	2.6	2.6	3.4	—	—	(x)
1,268.7	2,015.6	3,613.3	3,515.6	3,084.4	3,315.7	3,810.4	TX, CA, PA, MI.
67.5	111.8	198.5	161.8	145.2	186.2	219.9	TX, CA and VT.
267.9	424.6	888.9	988.8	825.1	931.1	1,037.2	CA, NV, WA, OR.
32.6	45.8	100.6	113.0	107.6	114.3	120.9	NY.
(*)	(*)	(*)	(*)	(*)	(*)	(*)	NC, CT, GA, CA.
9.6	11.7	23.2	21.0	20.3	22.5	23.5	IL, NY, TX.
13.9	10.9	12.6	18.4	13.3	10.0	(*)	ID, ME, NY.
1.9	1.7	1.9	2.1	2.3	2.5	2.5	(x)
2.4	13.9	6.9	7.6	7.2	7.4	7.5	TX, OK, MI, IA.
35.1	44.7	103.1	98.1	80.1	101.1	113.7	KS, TX, NM.
64.2	23.9	30.2	33.9	42.4	45.6	62.0	OH, PA, MO, KY.
286.2	523.8	842.9	884.2	696.2	757.6	811.2	MI, CA, FL, TX.
62.4	(*)	(*)	(*)	(*)	182.5	(*)	NC, SD, NM, SC.
2.5	5.2	6.3	8.2	6.4	6.5	7.1	(x)
—	(2)	—	—	—	—	—	FL, MI, IN, IL.
6.0	12.3	16.2	18.8	16.9	18.7	19.9	CA, NM, AZ, NV.
4.9	7.3	16.5	17.5	16.0	15.7	16.6	FL, NC, ID, TN.
203.2	1,122.2	1,256.9	1,438.0	950.3	1,021.1	1,182.2	NM, UT, CA.
98.1	223.1	353.9	328.9	265.6	220.8	241.8	OR, NM, CA, ID.
4.7	11.2	4.3	4.3	3.8	4.5	4.9	TN, CO, AZ.
(*)	4.8	13.8	49.2	41.9	(*)	(*)	LA, TX, NY, OH.
304.8	368.1	656.2	637.6	671.4	597.1	675.1	CA, TX, MI, OH.
1,115.7	1,416.3	2,289.0	2,260.3	1,997.8	2,270.2	2,621.2	WV and CA.
56.3	182.6	(*)	(*)	(*)	(*)	(*)	TX, MT, VT, NY.
10.9	27.7	36.4	43.2	(5)	39.4	40.1	ID, SC, VA.
1,474.9	2,120.3	3,393.5	3,275.4	3,056.0	3,474.8	3,910.5	TX, FL, PA, IL.
151.8	304.8	720.5	715.7	434.7	414.2	546.1	TX and LA.
7.8	8.9	25.6	31.5	20.7	20.3	24.7	IL, OK, AR.
.5	.6	.7	.6	.7	.7	.7	MT, SC, VA.
6.5	13.8	23.5	26.2	28.5	27.2	31.5	(X)
34.4	157.2	941.2	994.1	959.3	867.5	946.1	AR, AL, GA.
3,778.5	4,914.9	8,921.0	8,842.0	5,517.0	5,837.0	5,977.0	(X)
(12)	2.1	(12)	(12)	(12)	(12)	(12)	ID.
30.1	25.1	22.4	26.5	12.3	11.3	15.6	AR, AL, GA.
1,984.5	1,814.8	2,666.9	2,886.4	1,840.9	1,751.5	1,608.4	AZ, NM, UT, MT.
63.4	169.9	594.1	633.9	551.0	829.5	742.5	NV, SD, UT, MT.
941.2	1,620.6	2,543.5	2,914.7	1,491.7	1,938.5	1,938.5	MN, MI, MO, TX.
178.6	267.2	515.2	358.8	288.6	214.7	181.3	MO, ID, CO, NY.
(12)	1.4	2.4	2.9	.3	.2	.9	MN and SC.
11.1	1.2	11.9	11.5	(12)	(12)	(12)	NV.
190.1	259.3	1,344.2	945.5	504.1	168.6	326.8	CO, AZ, ID, NM.
(12)	(12)	(12)	(12)	(12)	(12)	(12)	OR.
79.7	154.4	667.3	427.9	320.0	496.7	361.8	ID, NV, MT, AZ.
18.6	26.9	32.0	37.0	19.1	(12)	(12)	FL and NY.
23.8	29.1	50.6	62.2	22.1	10.5	13.4	CA, CO, NV, NM.
34.9	49.3	64.4	71.5	52.6	30.7	24.6	CO, ID, UT, AR.
163.7	365.1	261.7	306.9	257.1	251.2	270.8	NY, MO, CO.
58.4	127.5	144.8	156.2	157.6	135.6	2,430.4	(X)

¹⁰ Comprises value of items that cannot be disclosed.

¹² Dried equivalent.

¹³ Percent manganeseiferous ore.

¹⁴ Represents shipments; beginning 1976, includes byproduct ores.

¹⁵ Content of concentrate.

¹⁶ Content of ore and concentrate.

¹⁷ Content of ore and concentrate.

¹⁸ Content of ore and concentrate.

¹⁹ Tungsten content.

¹¹ Antimony content.

¹³ Included with "Metals, undistributed."

¹⁴ Gross weight.

¹⁵ To 35

¹⁶ 5 to 35

¹⁷ Content of concentrate.

¹⁸ Content of ore and concentrate.

¹⁹ Tungsten content.

Mining and Mineral Products

No. 1211. MINERAL INDUSTRIES—STATES: 1972 TO 1982

[Represents establishments classified in the mineral industries only. Excludes data for stone, sand and gravel, clay and gypsum mines operated as parts of manufacturing establishments. See headnote, table 1209. For composition of regions, see fig. 1 inside front cover.]

REGION, DIVISION, AND STATE	1972		1977		1982				
	All employees (1,000)	Value added in mining (mil. dol.)	All employees (1,000)	Value added in mining (mil. dol.)	Establishments		All employees		Value added in mining (mil. dol.)
					Total	With 20 employees or more	Number (1,000)	Payroll (mil. dol.)	
United States ¹	595.1	26,471	798.8	68,013	73,005	10,272	1,114.0	28,637	188,056
Region:									
Northeast.....	56.7	1,155	65.6	2,576	3,004	550	63.6	1,806	3,839
Midwest.....	97.6	2,983	117.1	6,545	12,583	1,151	135.3	3,405	14,352
South.....	320.3	17,117	449.3	45,061	45,577	6,591	681.3	17,105	119,231
West.....	120.4	5,215	163.6	13,588	11,760	1,938	228.4	6,367	46,028
New England.....	3.8	76	3.8	99	336	55	4.4	119	168
Maine.....	3	6	.3	5	28	1	.1	2	5
New Hampshire.....	2	6	.2	8	28	3	.3	7	17
Vermont.....	.8	14	.7	25	46	12	.8	15	36
Massachusetts.....	1.5	28	1.3	32	118	13	1.1	25	54
Rhode Island.....	.3	4	.1	5	20	2	.2	3	7
Connecticut.....	.7	18	1.2	24	96	24	1.9	68	47
Middle Atlantic.....	52.9	1,079	61.8	2,477	2,668	495	59.2	1,487	3,472
New York.....	7.7	154	7.1	218	598	70	7.8	205	415
New Jersey.....	3.3	78	3.0	93	165	40	3.4	102	120
Pennsylvania.....	41.9	847	51.7	2,166	1,905	385	48.0	1,180	2,937
East North Central.....	60.8	1,592	75.7	3,782	5,738	687	83.1	2,137	7,875
Ohio.....	20.1	465	27.6	1,181	2,196	255	28.0	708	2,325
Indiana.....	6.3	211	8.4	392	711	98	10.3	269	786
Illinois.....	20.5	546	25.8	1,763	1,582	199	31.3	845	2,544
Michigan.....	11.4	306	11.3	939	941	91	10.7	277	1,835
Wisconsin.....	2.5	64	2.6	87	208	24	1.9	36	86
West North Central.....	36.8	1,391	41.4	2,783	6,845	484	52.2	1,268	6,677
Minnesota.....	11.7	498	11.5	699	170	35	9.2	248	599
Iowa.....	2.5	53	2.9	88	216	26	2.1	38	104
Missouri.....	8.9	218	8.1	396	394	65	7.9	198	418
North Dakota.....	1.5	84	2.5	325	1,037	103	8.5	226	1,999
South Dakota.....	1.8	32	2.4	68	143	9	2.3	50	116
Nebraska.....	1.5	40	1.8	73	434	24	2.3	47	246
Kansas.....	8.9	466	12.2	1,134	4,451	222	19.9	461	3,198
South Atlantic.....	92.4	2,174	117.6	5,406	4,039	1,049	113.9	2,727	8,987
Delaware.....	2.2	58	2.3	79	{ 34	3	.2	6	2
District of Columbia					{ 141	30	2.6	59	167
Maryland.....					{ 279	24.4	533	1,467	
Virginia.....	16.8	360	23.2	1,016	916	502	63.1	1,680	4,790
West Virginia.....	53.0	1,195	69.6	2,820	2,104	60	4.0	88	188
North Carolina.....	3.3	71	3.7	111	219	26	1.5	24	72
South Carolina.....	1.5	34	1.5	47	79	73	7.6	142	430
Georgia.....	6.6	158	7.4	294	210	115	9.6	216	1,860
Florida.....	9.0	298	9.9	1,039	376	76	10.5	222	
East South Central.....	51.9	1,428	77.0	4,187	4,664	877	88.7	2,146	8,385
Kentucky.....	30.2	760	47.6	2,515	2,139	530	54.2	1,372	4,142
Tennessee.....	7.3	152	9.1	378	555	117	9.0	186	498
Alabama.....	8.8	264	14.1	787	596	115	15.9	375	1,980
Mississippi.....	5.6	232	6.0	507	1,374	115	9.6	213	1,766
West South Central.....	176.0	13,515	254.7	35,468	36,874	4,885	478.7	12,232	101,859
Arkansas.....	3.7	142	4.7	395	862	58	5.4	115	1,015
Louisiana.....	49.6	5,529	63.1	11,981	5,606	974	102.4	2,694	33,117
Oklahoma.....	25.9	1,133	43.5	3,418	9,144	1,065	104.1	2,687	13,274
Texas.....	95.8	6,711	143.4	19,674	21,262	2,568	266.8	6,756	54,453
Mountain.....	85.3	3,367	119.9	8,688	8,859	1,315	158.9	4,269	21,859
Montana.....	5.6	189	5.9	560	1,148	87	6.5	214	1,695
Idaho.....	2.8	51	3.3	144	191	30	3.1	87	200
Wyoming.....	11.5	679	22.7	2,282	2,101	323	34.2	940	6,859
Colorado.....	13.5	409	22.7	1,179	2,424	399	45.8	1,320	3,098
New Mexico.....	16.2	958	23.5	2,689	1,581	248	26.6	660	7,127
Arizona.....	21.1	625	21.0	751	291	54	16.6	427	748
Utah.....	11.4	372	16.7	911	788	121	17.5	467	1,665
Nevada.....	3.2	104	4.1	152	334	53	6.6	155	468
Pacific.....	35.1	1,848	49.7	4,920	2,902	623	69.5	2,099	26,169
Washington.....	1.9	46	2.0	85	242	21	2.8	67	162
Oregon.....	1.3	38	1.3	59	216	19	1.8	37	60
California.....	29.0	1,401	34.8	3,652	2,196	491	51.3	1,466	11,844
Alaska.....	2.6	354	5.5	1,218	236	88	13.4	525	14,093
Hawaii.....	.3	9	.1	8	12	4	.2	4	10

¹ Includes offshore areas not associated with a State.

Mineral Production—Value

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NO. 1212. MINERAL PRODUCTION—VALUE, 1975 TO 1984, AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1984, BY STATE

[In millions of dollars. Data for States may not add to total because State and U.S. totals were independently derived. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	1975	1980	1982	1983	1984			
					Total	Fuels	Non-fuels	Principal minerals in order of value
U.S.	59,907	147,021	179,070	179,062	179,176	166,020	23,150	Petroleum, natural gas (wet), coal.
Region:								
Northeast.....	3,611	4,710	4,697	4,476	5,131	3,350	1,781	(X)
Midwest.....	8,216	16,286	16,877	17,128	18,842	12,698	6,144	(X)
South.....	38,473	78,072	109,004	(D)	(D)	(D)	7,860	(X)
West.....	11,983	39,262	47,339	(D)	(D)	(D)	7,354	(X)
N.E.....	181	268	258	262	305	-	305	(X)
ME.....	37	37	35	26	38	-	38	Sand and gravel, cement, stone.
NH.....	17	25	23	19	23	-	23	Sand and gravel, stone, clays.
VT.....	29	43	50	42	45	-	45	Stone, sand and gravel, asbestos.
MA.....	59	91	89	96	107	-	107	Stone, sand and gravel, lime.
RI.....	6	6	5	8	12	-	12	Stone, sand and gravel, gem stones.
CT.....	33	66	56	71	80	-	80	Stone, sand and gravel, feldspar.
M.A.....	3,430	4,442	4,441	4,214	4,826	3,350	1,476	(X)
NY.....	398	557	589	603	736	124	612	Stone, cement, salt.
N.J.....	124	149	132	155	158	-	158	Stone, sand and gravel, zinc.
PA.....	2,908	3,736	3,720	3,456	3,934	3,226	708	Coal, natural gas, cement.
E.N.C.....	4,813	9,005	9,288	9,145	10,423	7,567	2,856	(X)
OH.....	1,356	2,380	2,444	2,511	2,867	2,314	553	Coal, natural gas, petroleum.
IN.....	542	1,106	1,174	1,187	1,391	1,098	293	Coal, petroleum, stone.
IL.....	1,481	2,770	3,009	2,929	3,212	2,740	472	Coal, petroleum, stone.
MI.....	1,292	2,587	2,529	2,417	2,924	1,415	1,409	Petroleum, iron ore, natural gas.
WI.....	132	152	112	101	129	-	129	Sand and gravel, stone, lime.
W.N.C.....	3,403	7,281	7,609	7,983	8,419	5,131	3,288	(X)
MN.....	1,097	1,782	1,110	1,455	1,676	-	1,676	Iron ore, sand and gravel, stone.
IA.....	195	265	291	257	266	13	253	Stone, cement, sand and gravel.
MO.....	723	1,172	877	866	906	174	732	Cement, lead, stone.
ND.....	202	801	1,807	1,842	1,887	1,865	22	Petroleum, coal, natural gas.
SD.....	102	250	180	281	238	45	193	Gold, cement, petroleum.
NE.....	112	272	293	283	285	185	100	Petroleum, cement, stone.
KS.....	971	2,740	3,111	3,019	3,161	2,849	312	Petroleum, natural gas, cement.
S.A.....	7,191	10,528	10,718	(D)	(D)	(D)	3,876	(X)
DE.....	2	2	3	3	3	-	3	Magnesium compounds, sand and gravel, clays.
MD.....	165	293	294	285	356	114	242	Coal, stone, cement.
VA.....	1,262	1,708	1,640	1,405	1,614	1,272	342	Coal, stone, cement.
WV.....	3,390	4,860	5,490	4,677	5,157	5,045	112	Coal, natural gas, petroleum.
NC.....	153	380	299	399	451	-	451	Stone, phosphate, lithium.
SC.....	115	195	195	231	276	-	276	Cement, stone, clays.
GA.....	333	771	718	(D)	(D)	(D)	940	Clays, stone, cement.
FL.....	1,771	2,317	2,079	1,704	1,990	480	1,510	Phosphate, petroleum, stone.
E.S.C.....	4,541	8,316	9,692	8,759	9,791	8,652	1,239	(X)
KY.....	2,739	4,498	5,029	4,310	4,991	4,734	257	Coal, petroleum, stone.
TN.....	423	674	698	639	734	-	478	Coal, stone, zinc.
AL.....	969	1,994	2,338	2,306	2,581	2,121	410	Coal, petroleum, natural gas.
MS.....	410	1,150	1,687	1,504	1,635	1,441	94	Petroleum, natural gas, sand and gravel.
W.S.C.....	26,741	59,228	88,594	(D)	(D)	(D)	2,745	(X)
AR.....	436	787	1,089	(D)	(D)	(D)	273	Petroleum, natural gas, bromine.
LA.....	8,513	16,393	31,364	29,063	31,715	31,204	511	Petroleum, natural gas, sulfur.
OK.....	2,267	7,326	10,762	9,942	10,693	10,447	246	Natural gas, petroleum, coal.
TX.....	15,525	34,710	45,379	42,515	43,420	41,705	1,715	Petroleum, natural gas, cement.
MT.....	8,014	18,862	(D)	(D)	(D)	(D)	4,888	(X)
MT.....	573	1,331	1,732	1,671	1,659	1,410	249	Petroleum, coal, natural gas.
ID.....	234	522	300	415	412	-	412	Silver, phosphate, gold.
WY.....	1,644	5,133	6,885	6,677	7,142	6,593	549	Petroleum, coal, natural gas.
CO.....	958	2,544	2,676	2,117	2,255	1,819	436	Petroleum, natural gas, coal.
NM.....	2,092	4,789	5,517	5,487	5,907	5,288	619	Natural gas, petroleum, coal.
AZ.....	1,288	2,476	(D)	(D)	(D)	(D)	1,483	Natural gas, petroleum, coal.
UT.....	966	1,661	2,090	2,035	2,133	1,609	524	Petroleum, coal, copper.
NV.....	259	408	547	629	677	61	616	Gold, silver, diatomite.
Pac.....	3,949	20,400	(D)	(D)	(D)	(D)	2,466	(X)
WA.....	159	207	(D)	(D)	(D)	(D)	203	Cement, sand and gravel, stone.
OR.....	166	152	108	111	128	8	120	Stone, sand and gravel, cement.
CA.....	3,183	10,483	12,626	11,979	12,915	10,912	2,003	Petroleum, natural gas, cement.
AK.....	461	9,498	(D)	(D)	(D)	(D)	89	Petroleum, natural gas, sand and gravel.
HI.....	50	60	47	52	51	-	51	Stone, cement, sand and gravel.

- Represents zero.

D Withheld to avoid disclosing individual company data.

X Not applicable.

Source: U.S. Bureau of the Census. Compiled from data from U.S. Bureau of Mines and U.S. Energy Information Administration.

Mining and Mineral Products

No. 1213. MINERAL INDUSTRIES—GROSS ASSETS AND CAPITAL EXPENDITURES: 1972 TO 1982

[In millions of dollars]

INDUSTRY AND YEAR	END OF YEAR GROSS VALUE OF DEPRECIABLE ASSETS					CAPITAL EXPENDITURES					
	Total ¹	Buildings and other structures	Machinery and equipment	Mineral exploration and development ¹	Mineral land and rights ¹	Total ²	New buildings and other structures	New machinery and equipment	Used buildings and other structures	Used machinery and equipment	Mineral exploration and development ²
Mineral Industries: ³											
1972.....	21,690	4,244	15,038	(4)	2,409	2,802	317	1,407	(4)	128	230
1977.....	44,664	6,099	33,068	2,625	2,871	6,802	785	5,068	30	399	520
1982.....	94,613	10,228	73,419	5,096	5,930	13,472	1,229	10,551	78	937	677
Crude petroleum, natural gas:											
1972.....	47,500	(NA)	(NA)	(NA)	(NA)	2,954	403	842	(4)	44	1,666
1977.....	94,414	(NA)	(NA)	(NA)	(NA)	10,916	571	2,269	14	93	7,969
1982.....	233,052					34,281	1,987	5,550	20	215	26,529

NA Not available. ¹ Excludes data for mineral exploration and development, and mineral land and rights portions for mining service industries and natural gas liquids industry. ² Excludes data for mineral exploration and development portion for mining service industries and natural gas liquids industry. ³ Excludes crude petroleum and natural gas. ⁴ Not collected separately. Data for mineral exploration and development are combined with mineral land and rights. Data for used buildings and other structures are combined with used machinery and equipment.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1982*.

No. 1214. MINERAL INDUSTRIES—EMPLOYMENT, HOURS, AND EARNINGS: 1982 TO 1985

ITEM	Unit	1982	1983	1984	1985	ITEM		Unit	1982	1983	1984	1985
						No.	Con.					
All mining:												
All employees.....	1,000.....	1,128	952	966	930	Oil and gas extraction—						
Production workers.....	1,000.....	821	673	686	660	Con.						
Avg. weekly earnings.....	Dol.....	460	479	504	520	Production workers—Con.						
Avg. weekly hours.....	No.....	42.7	42.5	43.3	43.4	Average weekly hours....	No.....	44.2	43.6	44.4	44.2	
Coal mining:												
All employees.....	1,000.....	237	194	196	187	Oil and gas extraction—						
Production workers.....	1,000.....	194	156	158	153	Con.						
Avg. weekly earnings.....	Dol.....	506	548	603	627	Production workers—Con.						
Avg. weekly hours.....	No.....	40.0	40.0	41.8	41.3	Average weekly hours....	No.....	73	56	55	47	
Oil and gas extraction:												
All employees.....	1,000.....	708	598	607	585	Metal mining:						
Production workers.....	1,000.....	491	398	405	388	All employees.....	No.....	1,000.....	1,000.....	1,000.....	1,000.....	
Avg. weekly earnings.....	Dol.....	453	465	476	489	Production workers.....	No.....	53	41	40	34	
						Avg. weekly earnings....	No.....	484	494	529	547	
						Average weekly hours....	No.....	39.3	39.3	40.5	40.9	

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings, United States 1909-1984*, and *Supplement to Employment and Earnings, Revised Establishment Data*, June 1986.

No. 1215. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1970 TO 1985

(Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series M 96, M 139, M 209, M 248, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively)

YEAR	Tantalum (dol. per lb.) ¹	Copper, electrolytic ² (cents per lb.)	Plati- num ³ (dol./ troy oz.)	Gold (dol./ fine oz.)	Silver (dol./ fine oz.)	Lead ⁴ (cents per lb.)	Tin (New York) ⁵ (cents per lb.)	Zinc ⁶ (cents per lb.)	Sulfur, crude ⁷ (dol./ long ton)	Bitumi- nous coal ⁸ (dol./ short ton)	Crude petro- leum ⁹ (dol./ bbl.)	Natural gas ¹⁰ (dol./ thous. cu. ft.)
1970.....	9.15	59.2	133	36	1.77	15.7	174.2	15.3	22.77	6.26	3.18	.17
1975.....	18.32	64.2	164	161	4.42	21.5	339.8	33.0	44.91	19.23	7.67	.45
1976.....	20.31	89.6	162	125	4.35	23.1	378.8	37.1	45.72	19.43	8.19	.58
1977.....	25.64	66.8	162	148	4.62	30.7	534.6	34.4	44.38	19.82	8.57	.79
1978.....	34.18	66.5	237	194	5.40	33.7	629.6	31.0	45.17	21.78	9.00	.91
1979.....	80.00	93.3	352	308	11.09	52.6	753.9	37.3	55.75	23.65	12.64	1.18
1980.....	103.50	101.3	439	613	20.63	42.5	846.0	37.4	89.06	24.52	21.59	1.59
1981.....	81.50	84.2	475	460	10.52	36.5	733.0	44.6	111.48	26.29	31.77	1.98
1982.....	40.91	72.8	475	376	7.95	25.5	654.0	38.5	108.27	27.14	28.52	2.46
1983.....	25.06	76.5	475	424	11.44	21.7	655.0	41.4	97.24	25.85	26.19	2.59
1984.....	30.66	66.8	475	361	8.14	25.6	623.8	48.6	94.31	25.51	25.88	2.66
1985.....	27.00	66.9	475	318	6.14	19.1	595.9	40.3	106.46	25.00	24.08	2.48

NA Not available. ¹ Dollars per pound of tantalum content. ² Domestic market. ³ Average annual producer prices.

* 1970, New York prices; beginning 1975, nationwide delivered basis. ⁵ Straits tin through 1975; thereafter, composite price.

* Prime western. Beginning 1975, delivered price. ⁷ F.O.B. works. ⁹ Average value at the point of production. Source: U.S. Energy Information Administration, *Annual Energy Review*. ¹⁰ Per metric ton.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Facts and Problems*, 1980 edition, and *Mineral Commodity Summaries*, annual.

No. 1216. PRINCIPAL FUELS, NONMETALS, AND METALS—U.S. PRODUCTION AS PERCENT OF WORLD PRODUCTION: 1970 TO 1984

MINERAL	Unit	WORLD PRODUCTION						PERCENT U.S. OF WORLD					
		1970	1980	1981	1982	1983	1984, prel.	1970	1980	1981	1982	1983	1984, prel.
Fuels:													
Coal	Bil. sh. ton	3.3	4.2	4.2	4.4	4.4	4.6	18	20	19	19	18	20
Petroleum (crude)	Bil. bbl.	16.7	21.8	20.4	19.4	19.3	19.8	21	14	15	16	16	16
Natural gas (dry, marketable)	Tril. cu. ft.	37.7	53.3	54.7	54.2	54.5	58.3	58	36	35	33	29	30
Natural gas plant liquids	Bil. bbl.	(NA)	1.3	1.4	1.4	1.4	1.5	(NA)	44	42	41	40	39
Nonmetals:													
Asbestos	Mil. metric ton	3.5	4.7	4.3	4.1	4.3	4.3	3	2	2	2	2	1
Barite	Mil. sh. ton	4.3	8.3	9.0	8.3	6.0	6.3	20	27	31	22	13	12
Feldspar	Mil. sh. ton	2.8	3.5	3.6	3.7	4.1	4.0	26	20	19	16	17	18
Fluorspar	Mil. sh. ton	4.6	5.3	5.3	4.7	4.7	5.1	4	2	2	1	1	1
Gypsum	Mil. sh. ton	56.9	86.5	83.9	79.0	86.4	90.3	17	14	14	13	15	16
Mica (incl. scrap)	1,000 sh. ton	180	251	263	237	264	288	66	46	51	45	53	56
Nitrogen, agricultural ²	Mil. sh. ton	33.4	81.4	84.5	83.6	85.4	90.2	25	20	19	16	13	15
Phosphate rock	Mil. metric ton	85	139	138	122	139	151	41	39	31	31	31	33
Potash (K ₂ O equiv.)	Mil. metric ton	18.2	27.8	27.1	24.7	27.4	28.6	14	8	8	7	5	5
Sulfur, elemental	Mil. metric ton	41.9	54.9	53.4	50.8	50.3	51.8	23	22	23	19	10	21
Metals, mine basis:													
Bauxite	Mil. metric ton	57.8	89.2	85.5	77.8	78.9	84.7	4	2	2	1	1	1
Columbian-tantalum concentrates (gross weight)	Mil. lb.	45.1	80.7	78.4	56.3	46.9	67.2	—	(NA)	(NA)	(NA)	—	—
Copper ³	Mil. metric ton	6.0	7.7	8.2	8.1	7.7	7.9	26	15	19	14	13	14
Gold	Mil. troy oz.	47.5	39.2	41.2	43.1	44.9	46.0	4	2	3	3	4	5
Iron ore	Mil. lg. ton	754	877	842	769	724	788	12	8	9	9	5	6
Lead	Mil. metric ton	3.4	3.4	3.3	3.4	3.4	3.2	15	16	13	15	14	10
Mercury	1,000 flask ⁴	284	197	211	198	181	174	10	16	13	13	14	11
Molybdenum ³	Mil. lb.	181	242	241	207	140	209	61	62	58	41	24	50
Nickel ³	1,000 sh. ton	693	858	803	705	723	820	2	2	2	(2)	—	2
Silver	Mil. troy oz.	301	344	382	384	392	399	15	9	11	10	11	11
Titanium concentrates:													
Ilmenite	Mil. sh. ton	4.0	4.1	4.0	3.3	3.0	3.2	23	14	13	8	(NA)	(NA)
Tungsten	Mil. lb.	71.4	114.4	108.0	99.9	56.9	99.1	13	5	7	3	2	3
Uranium oxide (U ₃ O ₈) ⁵	1,000 sh. ton	24	(NA)	(NA)	(NA)	(NA)	(NA)	53	(NA)	(NA)	(NA)	(NA)	(NA)
Vanadium ³	1,000 sh. ton	19.9	38.3	38.8	35.9	30.9	34.3	26	13	13	11	7	5
Zinc ³	Mil. metric ton	5.5	6.0	5.8	6.2	6.2	6.4	9	5	5	5	5	4
Metals, smelter basis:													
Aluminum	Mil. sh. ton	10.6	16.9	16.6	14.8	13.9	15.5	37	30	30	24	24	26
Cadmium	Mil. lb.	36.5	40.2	38.3	36.3	36.9	39.9	28	9	9	6	6	10
Copper	Mil. metric ton	6.1	7.9	8.3	8.3	8.1	8.3	24	13	12	12	12	13
Iron, pig (incl. ferroalloys)	Mil. sh. ton	474	565	552	502	511	539	19	12	13	9	10	10
Lead	Mil. metric ton	3.3	5.4	5.3	5.3	5.3	5.3	18	23	21	21	19	18
Magnesium	1,000 sh. ton	242	348	336	273	286	358	46	49	46	37	40	44
Steel ingots and castings	Mil. sh. ton	655	787	777	707	730	779	20	14	16	11	12	12
Tin	1,000 m. tons ⁶	227	249	248	239	212	209	(NA)	1	1	1	1	2
Zinc	Mil. metric ton	4.8	6.0	6.1	5.9	6.2	6.4	18	6	6	5	5	5

— Represents zero. NA Not available. Z Less than .5 percent. ¹ Source: International Energy Annual. See table 1222 for production by world region. ² For fiscal years ending in year shown; see text, section 10. U.S. production includes Puerto Rico. ³ Content of ore and concentrate.

⁴ 76-lb. flasks. ⁵ Excludes Soviet Union. ⁶ Metric tons.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*, annual.

No. 1217. FEDERAL STRATEGIC AND CRITICAL MATERIALS INVENTORY: 1980 TO 1985

[As of Dec. 31. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amounts that would be realized at time of sale.]

MINERAL	Unit	QUANTITY ¹					VALUE (mil. dol.)				
		1980	1982	1983	1984	1985	1980	1982	1983	1984	1985
Tin	1,000 lg. ton	200	191	186	186	185	3,158	2,503	2,559	2,335	2,324
Silver	1,000 troy oz.	139,500	197,506	137,505	138,506	136,006	2,288	1,423	1,651	996	801
Cobalt	Mil. lb.	41	46	46	46	53	1,020	572	575	508	590
Bauxite ²	1,000 lg. ton	14,933	15,958	15,958	16,954	17,957	583	793	775	779	871
Manganese ³	1,000 sh. ton	3,495	4,775	4,447	4,361	4,470	540	556	509	506	520
Tungsten ⁴	Mil. lb.	62	92	92	88	87	533	493	485	505	369
Zinc	1,000 sh. ton	376	378	378	378	378	313	293	351	343	268
Titanium	1,000 sh. ton	21	92	92	32	37	301	353	353	386	405
Platinum	1,000 troy oz.	440	453	453	453	453	209	215	194	147	154
Chromium ⁵	1,000 sh. ton	763	784	784	784	834	747	784	728	798	836
Diamond:											
Stones	Carat	19,224	17,024	15,536	14,047	12,549	349	400	379	357	336
Industrial, bort	Carat	23,693	22,193	22,193	22,001	22,001	73	39	39	39	39

¹ Consists of stockpile and nonstockpile grades and reflects uncommitted balances. ² Consists of abrasives grade, metallic grade Jamaica, metallic grade Suriname, and refractory. ³ Consists of chemical grade, dioxide battery natural, dioxide battery synthetic, electrolytic, ferro-high carbon, ferro-med. carbon, ferro-silicon, and metal. ⁴ Consists of carbide powder, ferro, metal powder, and ores and concentrates. ⁵ Consists of ferro-high carbon, ferro-low carbon, ferro-silicon, and metal.

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress* (AP-3).

Mining and Mineral Products

NO. 1218. SELECTED MINERAL AND METAL PRODUCTS—QUANTITY AND VALUE OF IMPORTS AND EXPORTS: 1980 TO 1984

[Imports represent imports for consumption. Exports include shipments under foreign aid programs. Includes trade of Puerto Rico with foreign countries]

PRODUCT	Unit	QUANTITY					VALUE (mil. dol.)				
		1980	1981	1982	1983	1984	1980	1981	1982	1983	1984
IMPORTS											
Petroleum (crude) ¹	Mill. bbl.	1,975	1,751	1,417	1,263	1,317	61,899	61,458	45,724	36,492	37,859
Gem stones; Diamonds	Mill. carat.	4.2	4.4	4.6	6.3	8.2	2,251	2,201	1,918	2,275	2,906
Ores and concentrates:											
Chromium (Cr ₂ O ₃ content)	1,000 sh. ton.	410	368	209	86	134	57	50	30	10	15
Copper	1,000 sh. ton.	58	43	130	100	12	73	57	141	82	10
Iron	Mill. lb. ton.	25.1	28.3	14.5	13.2	17.2	773	948	471	446	528
Tungsten	Mill. lb.	11.4	11.8	7.8	6.3	12.8	87	91	47	26	52
Metals:											
Aluminum	1,000 sh. ton.	581	711	679	819	972	778	991	858	1,021	1,293
Cobalt	Mill. lb.	15.0	13.9	11.6	15.9	23.3	359	238	198	110	203
Copper refined ingots, etc	1,000 sh. ton.	471	364	285	507	490	935	582	395	701	621
Gold (bullion)	Mill. troy oz.	4.1	4.2	4.2	3.6	6.0	2,507	1,943	1,651	1,576	2,294
Iron and steel products (maj.)	Mill. sh. ton.	16.2	20.7	17.3	17.8	27.3	7,713	11,202	10,290	7,128	11,356
Platinum group ²	Mill. troy oz.	3.5	2.8	2.5	3.2	4.5	1,177	800	554	753	1,118
Silver (bullion)	Mill. troy oz.	64.9	75.9	96.9	161.2	93.5	1,332	837	786	1,920	785
Zinc: Blocks, pigs, slabs	1,000 sh. ton.	452	675	503	681	705	319	549	371	504	636
EXPORTS											
Fuels: ¹											
Biriminous coal	Mill. sh. ton.	89.9	110.2	105.2	76.9	80.8	4,523	5,809	5,938	4,008	4,090
Petroleum (crude)	Mill. bbl.	30.6	16.4	13.1	6.8	5.8	751	577	469	224	185
Nonmetallic minerals:											
Gem stones; Diamonds	Mill. carat.	1.3	3.2	2.7	2.5	2.3	1,041	854	639	622	575
Nitrogen compounds (maj.)	Mill. sh. ton.	11.1	8.4	7.8	7.5	10.4	1,842	1,398	1,179	1,050	1,635
Phosphatic fertilizers ³	Mill. sh. ton.	7.2	6.0	5.4	6.6	8.2	1,393	1,035	837	895	1,350
Metals:											
Aluminum: Ingots, slabs, crude	1,000 sh. ton.	715	344	401	398	286	1,107	627	476	534	397
Plates, sheets, bars, etc.	1,000 sh. ton.	306	264	194	179	219	716	626	440	389	497
Gold (refined bullion)	Mill. troy oz.	4.7	5.2	1.6	1.9	3.5	2,787	2,501	591	826	1,285
Iron and steel prods. (maj.)	Mill. sh. ton.	4.5	3.3	2.2	1.4	1.2	3,504	3,414	2,615	1,809	1,418
Magnesium ⁴	1,000 sh. ton.	56.8	34.9	39.6	46.7	48.3	128	91	105	125	137
Molybdenum ⁵	1,000 lb.	614	2,641	697	577	306	5	10	2	2	1
Silver (refined bullion)	Mill. troy oz.	57.2	15.1	12.9	13.7	10.3	1,327	181	106	169	86
Scrap exports:											
Aluminum	1,000 sh. ton.	445	241	214	282	285	483	236	158	249	276
Iron and steel	Mill. sh. ton.	11.4	6.5	6.8	7.8	9.8	1,257	653	623	651	938

¹ Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports*, TSUSA Commodity and Country, FT 246, annual; and *U.S. Exports, Schedule B Commodity and Country*, FT 446, monthly. ² Unwrought and semimanufactured. ³ Superphosphates and ammonium phosphates. ⁴ Metal and alloys, scrap, semimanufactured forms. ⁵ Metals and alloys, crude and scrap.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1219. MINERAL INDUSTRIES—LOST WORKDAY INJURIES AND FATALITIES: 1980 TO 1984

(Excludes office workers. Lost workday injuries are nonfatal occurrences that result in days away from work, days of restricted work activity or a permanent disability. Data for all years includes injuries to independent contractors at mine sites. Beginning with 1983, rates for the non-coal industries are based only on employment and hours worked by mine employees. See also *Historical Statistics, Colonial Times to 1970*, series M 271-286.)

ITEM	1980	1982	1983	1984	ITEM	1980	1982	1983	1984
Coal mining:									
Injuries, total	18,822	14,337	9,615	10,370	Quarrying and related industries—Con.				
Fatal	133	122	70	126	Rate per million work-hours:				
Percent of total	.7	.9	.7	1.2	Fatal	.3	.1	.1	.3
Rate per million work-hours:					Nonfatal	21	14	17	19
Fatal	.3	.3	.2	.4	Fatalities per 1,000 employed ¹				
Nonfatal	43	36	29	30	Metal and nonmetal mining: ²				
Fatalities per 1,000 employed ¹	.55	.53	.37	.64	Injuries, total	6,923	3,184	2,734	2,616
Quarrying and related industries: ²					Fatal	46	35	29	35
Injuries, total	3,551	925	2,089	2,509	Percent of total	.7	1.1	1.1	1.3
Fatal	42	10	17	34	Rate per million work-hours:				
Percent of total	1.2	1.1	.8	1.4	Fatal	.2	.2	.3	.2
Nonmetal mines exclude extraction of Frasch process sulfur.					Nonfatal	28	19	24	18
Source: U.S. Mine Safety and Health Administration, Denver, CO, unpublished data.					Fatalities per 1,000 employed ¹	.3	.4	.3	.3

¹ Average number of persons at work each day mines were active. ² Includes cement.

³ Nonmetal mines exclude extraction of Frasch process sulfur.

NO. 1220. NET U.S. IMPORTS OF SELECTED MINERALS AND METALS AS PERCENT OF APPARENT CONSUMPTION, 1970 TO 1984, AND BY MAJOR FOREIGN SOURCES, 1980-1983

[In percent. Figures based on net imports which equal the difference between imports and exports plus or minus government stockpile and industry stock changes]

MINERAL	1970	1979	1980	1981	1982	1983	1984	Rank of major foreign sources, 1980-1983
Columbium	100	100	100	100	100	100	100	Brazil, Canada, Thailand.
Mica (sheet)	100	100	100	100	100	100	100	India, Belgium, France.
Strontium	100	100	100	100	100	100	100	Mexico, Spain.
Manganese	95	98	98	98	99	99	99	Ore: Rep. of So. Africa, Gabon, Australia.
Bauxite ¹	88	93	94	94	95	96	96	Bauxite: Jamaica, Guinea, Suriname; Aluminum: Australia, Jamaica, Suriname.
Cobalt	98	94	93	92	92	95	95	Zaire, Zambia, Canada.
Tantalum	96	96	90	92	92	97	94	Thailand, Malaysia, Brazil.
Platinum group	78	89	88	84	81	90	91	Rep. of So. Africa, United Kingdom, Soviet Union.
Chromium	89	90	91	90	85	76	82	Rep. of So. Africa, Zimbabwe, Soviet Union.
Tin	81	80	79	77	68	73	79	Malaysia, Thailand, Bolivia, Indonesia.
Asbestos	83	83	78	78	74	68	75	Canada, Rep. of So. Africa.
Nickel	71	69	71	75	76	75	74	Canada, Australia, Norway.
Potassium	42	66	65	65	65	75	74	Canada, Israel.
Titanium ²	24	39	32	52	74	(b)	(b)	Australia, Canada, Rep. of So. Africa.
Tungsten	50	58	53	50	42	52	71	Canada, China, Bolivia.
Zinc	54	63	60	64	58	65	67	Ore: Canada, Peru, Mexico; Metal: Canada, Peru, Mexico.
Barium	45	37	44	40	55	65	64	Canada, Morocco, Chile.
Silver	26	42	7	53	55	61	61	Canada, Mexico, Peru.
Antimony	40	53	48	48	50	54	(b)	Metal: Bolivia, China, Belgium-Luxembourg; Ore: Bolivia, Mexico, Canada.
Mercury	41	59	26	44	31	30	60	Spain, Japan, Mexico.
Cadmium	7	64	55	63	73	72	56	Canada, Australia, Mexico.
Selenium	11	28	59	45	55	39	51	Canada, United Kingdom, Japan.
Vanadium	21	28	35	34	24	26	41	Rep. of So. Africa, Canada, Finland.
Gypsum	39	35	35	37	36	40	38	Canada, Mexico, Spain.
Petroleum ³ ⁴	22	43	37	34	28	28	30	Mexico, Canada, Venezuela.
Iron and steel	4	12	15	13	20	16	23	Japan, Europe, Canada.
Copper	(*)	12	14	6	1	19	21	Chile, Canada, Mexico.
Iron ore	30	25	25	22	34	37	19	Canada, Venezuela, Liberia.
Sulfur	(*)	11	14	5	4	15	17	Canada, Mexico.
Gold	59	50	18	15	32	19	16	Canada, Switzerland, Uruguay.
Aluminum	(*)	4	4	(*)	(*)	7	9	Canada, Ghana, Japan.
Natural gas ⁴	4	6	5	4	5	5	4	Canada, Algeria.

D Withheld to avoid disclosure.

¹ Includes alumina. ² Ilmenite. ³ Includes crude and products. ⁴ Source: Beginning 1979, Energy Information Administration: *Annual Energy Review*.

⁵ Net exports.

Source: Except as noted, U.S. Bureau of Mines, *Mineral Commodity Summaries*; import and export data from U.S. Bureau of the Census.

NO. 1221. PETROLEUM INDUSTRY—SUMMARY: 1950 TO 1985

YEAR	CRUDE OIL PRODUCING WELLS		COMPLETED WELLS DRILLED (1,000)			CRUDE OIL PRODUCTION			IMPORTS (mil. bbl.)		OPERABLE REFINERIES (mil. bbl.)		
	Total (Dec. 31) (1,000)	Daily output per well (bbl.)	Total	Crude oil	Gas	Dry	Total (mil. bbl.)	Value at wells (bil. dol.)	Avg. price per bbl. (dol.)	Crude oil	Refined petroleum products	Capacity (Jan. 1)	Output
1950	466	11.8	42	24	3	15	1,974	5.0	2.51	178	133	2,271	2,197
1955	524	13.2	55	30	4	20	2,484	6.9	2.77	285	170	3,061	2,880
1960	591	12.0	46	22	5	18	2,575	7.4	2.88	372	293	3,593	3,195
1965	589	13.3	39	18	4	16	2,849	8.2	2.86	452	449	3,803	3,639
1970	531	18.0	28	13	4	11	3,517	11.2	3.18	483	765	4,388	4,421
1971	517	18.1	26	12	4	10	3,454	11.7	3.39	613	819	4,694	4,562
1972	508	18.4	28	11	5	11	3,455	11.7	3.39	811	924	4,865	4,787
1973	497	18.3	28	10	7	10	3,361	13.1	3.89	1,184	1,099	4,979	5,057
1974	498	17.6	33	14	7	12	3,203	22.0	6.87	1,269	962	5,242	4,927
1975	500	16.8	39	17	8	14	3,057	23.5	7.67	1,498	712	5,461	4,995
1976	499	16.3	41	18	9	14	2,976	24.4	8.19	1,935	741	5,577	5,372
1977	507	16.4	46	19	12	15	3,009	25.8	8.57	2,414	800	5,985	5,794
1978	517	17.0	50	19	14	17	3,178	26.6	9.00	2,320	733	6,222	5,828
1979	531	16.3	52	21	15	16	3,121	39.5	12.64	2,380	707	5,366	5,753
1980	548	15.9	70	32	17	20	3,146	67.9	21.59	1,926	603	5,584	5,352
1981	557	15.4	90	43	20	27	3,129	99.4	31.77	1,605	584	6,796	5,106
1982	580	14.9	84	39	19	26	3,157	90.0	28.52	1,273	593	6,530	4,888
1983	603	14.4	74	37	14	23	3,171	83.1	26.19	1,215	629	6,154	4,785
1984	620	14.3	84	42	17	25	3,250	84.1	25.88	1,254	736	5,906	5,007
1985, prel.	647	13.8	77	38	17	22	3,275	78.9	24.08	1,168	681	5,715	5,019

Source: U.S. Energy Information Administration, *Annual Energy Review* and *Petroleum Supply Annual*.

Mining and Mineral Products

No. 1222. CRUDE OIL, NATURAL GAS, AND COAL—WORLD PRODUCTION, BY REGION: 1973 TO 1984

FUEL AND REGION	PRODUCTION										PERCENT DISTRIBUTION		
	1973	1975	1977	1978	1979	1980	1981	1982	1983	1984	1973	1980	1984
CRUDE OIL (mil. bbl.)													
World.....	20,321	19,301	21,785	21,921	22,825	21,791	20,404	19,437	19,342	19,812	100.0	100.0	100.0
United States.....	3,361	3,057	3,009	3,178	3,121	3,147	3,129	3,157	3,171	3,250	16.5	14.4	16.4
Other W. Hemisphere.....	2,531	2,090	2,135	2,217	2,468	2,569	2,648	2,728	2,729	2,850	12.5	11.8	14.4
Western Europe.....	164	218	518	663	860	926	987	1,104	1,240	1,345	.8	4.2	6.8
Africa.....	2,149	1,812	2,273	2,178	2,381	2,207	1,670	1,626	1,620	1,728	10.6	10.1	8.7
Middle East.....	7,689	7,126	8,123	7,702	7,869	6,737	5,742	4,614	4,243	4,161	37.8	30.9	21.0
Far East and Oceania.....	1,196	1,340	1,682	1,760	1,816	1,774	1,780	1,709	1,816	1,995	5.9	8.1	10.1
Eastern Europe and U.S.S.R.....	3,232	3,659	4,045	4,223	4,311	4,431	4,469	4,499	4,523	4,482	15.9	20.3	22.6
NATURAL GAS (DRY) (tril. cu. ft.)													
World.....	43.15	44.10	47.14	48.50	51.73	53.28	54.71	54.18	54.45	58.30	100.0	100.0	100.0
United States.....	21.73	19.24	19.16	19.12	19.66	19.40	19.18	17.76	16.03	17.23	50.4	36.4	29.6
Other W. Hemisphere.....	4.10	3.98	4.20	4.35	4.80	4.98	4.71	4.91	5.04	5.16	9.5	9.3	8.9
Western Europe.....	5.15	6.07	6.01	5.77	6.39	7.02	6.83	6.44	6.34	6.58	11.9	13.2	11.3
Africa.....	.32	.44	.42	.92	.84	.59	1.04	1.24	1.69	1.76	.7	1.3	3.0
Middle East.....	.98	1.16	1.35	1.36	1.70	1.47	1.90	1.40	1.36	1.69	2.3	2.8	2.9
Far East and Oceania.....	.92	1.27	1.73	1.84	2.01	2.38	2.57	2.65	2.93	3.01	2.1	4.5	5.2
Eastern Europe and U.S.S.R.....	9.96	11.95	14.25	15.10	16.32	17.34	18.49	19.79	21.05	22.86	23.1	32.5	39.2
COAL (mil. sh. ton)													
World.....	3,447	3,665	3,833	3,911	4,101	4,173	4,198	4,375	4,402	4,551	100.0	100.0	100.0
United States.....	598	655	697	670	781	830	824	838	782	890	17.4	19.9	19.6
Other W. Hemisphere.....	36	43	49	51	57	64	66	71	78	89	1.0	1.5	2.0
Western Europe.....	508	509	506	509	529	543	561	577	571	502	14.7	13.0	11.0
Africa.....	75	82	100	106	121	133	149	157	167	167	2.2	3.2	3.7
Middle East, Far East and Oceania.....	800	883	935	1,015	1,043	1,037	1,068	1,138	1,206	1,291	23.2	24.9	28.4
Eastern Europe and U.S.S.R.....	1,431	1,494	1,546	1,560	1,571	1,566	1,529	1,593	1,601	1,612	41.5	37.5	35.4

Source: U.S. Energy Information Administration, *International Energy Annual* and *Monthly Energy Review*.

NO. 1223. FUEL CONSUMPTION, BY TYPE OF USE: 1970 TO 1985

FUEL AND USE	CONSUMPTION								PERCENT				
	Unit	1970	1975	1980	1981	1982	1983	1984	1985 ¹	1970	1980	1984	1985 ¹
Petroleum ²	Mil. bbl.....	5,364	5,958	8,242	5,861	5,583	5,559	5,756	5,728	100	100	100	100
Fuel use ³	Mil. bbl.....	4,787	5,299	5,455	5,109	4,889	4,871	5,057	5,045	89	87	88	88
Nonfuel use ³	Mil. bbl.....	578	559	788	752	694	688	699	684	11	13	12	12
Residential ⁴	Mil. bbl.....	797	710	555	497	454	473	491	495	15	9	9	9
Industrial.....	Mil. bbl.....	1,384	1,475	1,772	1,563	1,482	1,407	1,501	1,471	26	28	26	26
Pipeline fuel.....	Mil. bbl.....	2,835	3,266	3,494	3,460	3,396	3,433	3,558	3,589	53	56	56	63
Electrical generation.....	Mil. bbl.....	339	506	421	352	251	247	206	175	6	7	4	3
Natural gas (dry)	Bil. cu. ft.....	21,139	19,538	19,877	19,404	18,001	16,835	17,951	17,228	100	100	100	100
Fuel use ³	Bil. cu. ft.....	(NA)	19,008	19,288	18,858	17,510	16,353	17,421	16,709	(NA)	97	97	97
Nonfuel use ³	Bil. cu. ft.....	530	589	546	491	482	529	507	520	(NA)	3	3	3
Residential ⁴	Bil. cu. ft.....	7,236	7,432	7,363	7,066	7,239	6,813	7,080	6,844	34	37	39	40
Industrial ⁵	Bil. cu. ft.....	7,851	6,988	7,172	7,128	5,831	5,643	6,154	5,831	37	36	34	34
Pipeline fuel.....	Bil. cu. ft.....	722	583	635	642	596	490	529	507	3	3	3	3
Electrical generation.....	Bil. cu. ft.....	3,932	3,158	3,682	3,640	3,226	2,911	3,111	3,030	19	19	17	18
Lease and plant fuel.....	Bil. cu. ft.....	1,399	1,398	1,026	928	1,108	978	1,077	1,016	7	5	6	6
Coal ⁶	Mil. sh. ton.....	523	563	703	733	707	737	791	819	100	100	100	100
Fuel use ³	Mil. sh. ton.....	518	558	700	730	705	735	790	817	89	100	100	100
Nonfuel use ³	Mil. sh. ton.....	6	5	3	3	2	2	2	2	1	(Z)	(Z)	(Z)
Residential ⁴	Mil. sh. ton.....	16	9	6	7	8	8	9	8	3	1	1	1
Industrial.....	Mil. sh. ton.....	187	147	127	128	105	103	118	117	36	18	15	14
Electrical generation.....	Mil. sh. ton.....	320	406	569	597	594	625	664	693	61	81	84	85

NA Not available. Z Less than .5 percent. ¹ Preliminary. ² Products refined and processed from crude oil, including still gas, liquefied refinery gas, and natural gas liquids. ³ Source: 1970 and 1975. U.S. Bureau of Mines, *United States Energy Through the Year 2000*, December 1972; and *Minerals Yearbook*. ⁴ Includes commercial. ⁵ Excludes lease and plant fuel. ⁶ Includes anthracite, bituminous, and lignite coals.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*.

NO. 1224. CRUDE PETROLEUM AND REFINED PRODUCTS: 1973 TO 1985

[Barrels of 42 gallons. See tables 950, 951 and 1037 for additional information. See also *Historical Statistics, Colonial Times to 1970*, series M 138-142, M 178, and M 181]

ITEM	Unit	1973	1975	1979	1980	1981	1982	1983	1984	1985
Crude petroleum:										
Domestic production	Mil. bbl.....	3,361	3,057	3,121	3,146	3,129	3,157	3,171	3,250	3,256
Value at wells	Mil. dol.....	13.1	23.4	39.5	67.9	99.4	90.0	83.0	84.1	78.4
Average price per barrel at wells.....	Dol.....	3.89	7.67	12.64	21.59	31.77	28.52	26.19	25.88	24.08
World production	Mil. bbl.....	20,561	19,301	22,825	21,791	20,404	19,437	19,342	19,812	19,382
U.S. proportion of world total.....	Percent.....	16	16	14	14	15	16	16	16	17
Imports	Mil. bbl.....	1,184	1,498	2,380	1,926	1,605	1,273	1,215	1,245	1,168
Value ¹	Mil. dol.....	4,231	18,374	46,100	62,014	61,940	45,862	36,809	36,529	33,034
Exports	Mil. bbl.....	1	2	86	105	83	86	60	66	75
Value ¹	Mil. dol.....	2,621	178	394	751	577	469	224	185	226
Stocks, Dec. 31	Mil. bbl.....	242	271	430	466	594	644	723	798	812
Proved reserves, Dec. 31 ²	Mil. bbl.....	35,300	32,682	29,810	29,805	29,426	27,858	27,735	28,446	28,416
Refinery:										
Number of refineries (Jan. 1) ³	Number.....	268	279	308	319	324	301	258	247	223
Operable capacity (Jan. 1) ³	Mil. bbl.....	4,979	5,461	6,366	6,584	6,796	6,530	6,154	5,906	5,715
Crude oil receipts at refineries	Mil. bbl.....	4,546	4,546	5,346	4,934	4,563	4,931	4,283	4,448	4,322
By pipeline: Domestic.....	Mil. bbl.....	2,905	2,682	2,329	2,275	2,343	2,401	2,419	2,442	2,483
Foreign.....	Mil. bbl.....	409	398	612	503	346	406	421	366	414
By water: Domestic.....	Mil. bbl.....	399	305	592	642	587	619	611	673	662
Foreign.....	Mil. bbl.....	775	1,101	1,722	1,406	1,184	817	795	857	666
By tank cars and trucks.....	Mil. bbl.....	58	80	108	121	103	89	96	110	97
Utilization rate ⁴	Percent.....	93.9	85.5	84.4	75.4	68.6	69.9	71.7	76.2	77.8
Refined products:										
Daily motor-gasoline consumption.....	Mil. bbl.....	6.67	6.67	7.03	6.58	6.59	6.54	6.62	6.89	6.83
Retail prices for leaded regular motor gasoline (U.S. city average).....	Cents.....	38.8	56.7	85.7	119.1	131.1	122.2	115.7	112.9	111.5
Yield of gasoline	Percent.....	45.6	46.5	43.0	44.5	44.5	46.2	47.4	46.5	46.7
Imports	Mil. bbl.....	1,099	712	707	603	584	593	629	724	681
Value ¹	Mil. dol.....	3,918	6,751	9,752	11,502	13,328	13,200	15,166	18,752	16,761
Exports	Mil. bbl.....	84	74	86	94	134	211	210	198	211
Value ¹	Mil. dol.....	391	325	858	1,242	2,088	4,589	3,554	3,419	3,593
Stocks, Dec. 31	Mil. bbl.....	766	862	911	926	890	786	731	761	705

NA Not available. ¹ Source: U.S. Bureau of the Census, *U.S. Exports, Schedule E Commodity by Country*, FT 410, monthly, and *U.S. Imports and Imports for Consumption, Schedule A Commodity by Country*, FT 135, monthly. ² Source: 1973-1975 American Petroleum Institute, Washington, DC, thereafter, U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, annual*. ³ Source: 1973-1980, U.S. Energy Information Administration, *Petroleum Refineries in the United States and U.S. Territories, annual*. ⁴ For 1973 through 1980, utilization rate is derived by dividing gross input to distillation units by one-half of the current year January 1 capacity and the following year January 1 capacity. Percentages were derived from unrounded numbers. For 1981 and forward, utilization is derived by averaging reported monthly utilization.

⁵ Average dealer's net price per gallon (incl. tax) of regular grade full service gasoline. Data from Platt's Oilgram Price Service.

Source: Except as noted, through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Monthly Energy Review*, *Annual Energy Review*, and *Petroleum Supply Annual*.

NO. 1225. PETROLEUM—RUNS TO STILLS AND REFINERY PRODUCTS, BY PRODUCT: 1973 TO 1985

[In millions of barrels, except percent. Barrels of 42 gallons, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series M 162-177]

PRODUCT	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985	PERCENT			
											1973	1980	1984	1985
Input.....	4,890	4,827	5,646	5,561	5,133	4,921	4,694	4,617	4,804	4,815	100.0	100.0	100.0	100.0
Crude petroleum	4,537	4,541	5,379	5,346	4,934	4,552	4,297	4,265	4,408	4,381	92.8	86.1	91.8	91.0
Natural gas liquids	297	259	233	186	169	191	188	168	183	186	6.1	3.3	3.8	3.9
Other ¹	56	27	34	29	30	178	209	184	213	249	1.1	.6	4.4	5.2
Output.....	5,057	4,995	5,828	5,753	5,352	5,106	4,888	4,795	5,007	5,019	100.0	100.0	100.0	100.0
Gasoline (motor)	2,382	2,379	2,616	2,495	2,376	2,336	2,313	2,312	2,362	2,343	47.4	44.6	47.2	46.7
Leaded ²	(NA)	(NA)	1,727	1,502	1,269	1,168	1,093	1,035	941	833	(NA)	23.7	18.8	16.6
Unleaded ³	(NA)	(NA)	889	893	1,107	1,167	1,219	1,278	1,421	1,510	(NA)	20.7	28.4	30.1
Distillate fuel oil	1,029	968	1,156	1,151	974	954	951	897	981	980	20.3	18.2	19.6	19.5
Residual fuel oil	354	451	609	616	578	482	390	311	326	322	7.0	10.8	6.5	6.4
Jet fuel	314	318	354	369	368	353	357	373	414	434	6.2	6.8	8.3	8.6
Petrochemical feedstocks	133	122	223	252	254	220	160	153	140	143	2.6	4.7	2.6	2.8
Still gas for fuel ⁴	177	175	200	205	197	199	195	192	193	201	3.5	3.7	4.1	4.0
Asphalt and road oil ⁵	173	149	176	170	144	124	120	136	141	146	3.5	2.6	2.8	2.9
Coke (5 bbl.=1 sh. ton)	132	129	135	137	135	142	150	153	161	166	2.6	2.5	3.2	3.3
Liquefied refinery gases	128	109	125	121	118	115	99	120	133	143	2.5	2.2	2.7	2.8
Kerosene	79	55	58	67	50	44	42	40	42	34	1.8	.9	.8	.7
Other finished products	137	126	164	157	145	137	111	107	113	107	2.7	2.8	2.3	2.1
Processing gains.....	-165	-168	-181	-192	-219	-185	-194	-178	-203	-203	(X)	(X)	(X)	(X)

NA Not available. X Not applicable. ¹ Includes unfinished oil rerun net, blending components, other hydrocarbons and alcohol. ² 1978 through 1980 estimates based on shipments. ³ 1 barrel=3,600 cu. ft. ⁴ 5.5 barrels=1 sh. ton.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

Mining and Mineral Products

NO. 1226. CRUDE PETROLEUM AND NATURAL GAS—WELLS DRILLED, FOOTAGE, AND DRILLING COST, BY TYPE OF WELL: 1970 TO 1984

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling becomes unproductive. Based on sample of operators of different size drilling establishments]

YEAR	WELLS DRILLED		Footage drilled (mill. ft.)	DRILLING COST (mill. dol.)		Average depth per well (ft.)	AVERAGE COST PER WELL (\$1,000)		Average cost per ft. (dol.)
	Total	Off-shore		Total	Off-shore		Total	Off-shore	
Wells, total:									
1970	27,177	1,058	136.9	2,579	599	5,037	95	566	18.84
1975	36,980	1,028	177.6	6,571	1,174	4,806	178	1,142	36.88
1980	62,011	1,272	296.0	22,800	3,846	4,773	368	3,024	77.02
1981	80,816	1,476	388.8	36,685	5,551	4,811	454	3,761	94.30
1982	76,652	1,464	362.6	39,428	8,154	4,731	514	4,203	108.73
1983	67,536	1,270	301.2	25,105	4,961	4,460	372	3,906	83.34
1984	77,210	1,421	350.6	26,206	5,024	4,541	326	3,596	71.90
Oil wells:									
1970	12,547	533	56.4	1,088	282	4,496	87	528	19.29
1975	16,276	283	66.1	2,257	253	4,059	139	892	34.15
1980	28,553	317	117.1	7,768	844	4,099	272	2,663	66.38
1981	38,725	415	162.0	13,023	1,074	4,183	336	2,568	80.40
1982	35,865	486	144.3	12,459	1,563	4,024	347	3,217	86.34
1983	33,485	459	130.8	9,604	1,499	3,907	284	3,266	72.65
1984	39,976	486	154.0	10,214	1,322	3,952	262	2,721	66.32
Gas wells:									
1970	3,844	193	23.1	618	139	6,007	161	720	25.75
1975	7,654	271	43.4	2,005	338	5,667	282	1,247	46.23
1980	15,225	444	85.8	8,187	1,446	5,636	536	3,256	95.16
1981	17,533	515	100.3	12,248	2,122	5,718	699	4,121	122.17
1982	17,052	442	100.8	14,738	2,165	5,912	864	4,698	146.20
1983	12,919	283	72.5	7,856	1,213	5,611	608	4,140	105.37
1984	14,893	372	82.6	7,339	1,353	5,516	490	3,836	88.80
Dry holes:									
1970	10,786	332	57.4	873	178	5,920	81	536	15.21
1975	13,030	474	68.2	2,309	584	5,234	177	1,232	33.86
1980	18,233	511	93.1	6,885	1,556	5,108	377	3,046	73.70
1981	24,558	546	126.8	11,395	2,354	5,154	464	4,312	90.03
1982	23,735	536	117.5	12,232	2,425	4,951	515	4,525	104.09
1983	21,132	518	97.9	7,745	2,249	4,633	367	4,341	79.10
1984	23,251	563	113.9	7,653	2,349	4,900	329	4,172	87.18

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey on Drilling Costs*, annual.

NO. 1227. FEDERAL OFFSHORE LEASING, EXPLORATION, PRODUCTION AND REVENUE: 1985 TO 1988

[See source for explanation of terms and for reliability statement]

LEASING	Unit	1965-1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Tracts offered	Number	4,478	536	358	586	666	483	1,398	1,410	21,689	27,984	15,754
Tracts leased	Number	1,679	246	211	249	351	218	430	357	1,251	1,400	634
Acres offered	1,000	19,336	2,827	1,843	3,141	3,412	2,563	7,680	7,637	120,054	154,384	87,029
Acres leased	1,000	7,946	1,278	1,101	1,297	1,787	1,134	2,285	1,886	6,588	7,495	3,922
Bonus paid for leased tracts	Mil. dol.	14,697	2,243	1,569	1,767	5,079	4,205	6,612	3,987	5,749	4,037	1,491
EXPLORATION AND DEVELOPMENT												
New wells being drilled:												
Active	Number	1,048	97	169	117	175	191	173	166	134	253	195
Suspended	Number	1,753	382	496	486	603	739	724	701	597	313	348
Wells completed	Number	56,662	6,461	7,914	8,433	8,964	9,638	10,308	11,164	11,990	13,012	12,285
Wells plugged and abandoned	Number	37,794	6,088	6,610	7,133	7,576	8,057	8,704	8,913	9,374	9,903	10,487
Other wells	Number	6,273	1,117	-	-	-	-	-	-	-	-	-
REVENUE AND PRODUCTION												
Revenue, total ¹	Mil. dol.	18,234	2,968	2,510	2,941	6,617	6,363	9,924	7,823	9,160	8,040	5,195
Bonuses	Mil. dol.	14,697	2,243	1,569	1,767	5,079	4,205	6,612	3,987	5,749	4,037	1,491
Oil and gas royalties ¹	Mil. dol.	3,309	680	894	1,139	1,512	2,133	3,287	3,815	3,876	3,964	3,639
Rentals	Mil. dol.	103	23	20	22	20	19	22	20	32	39	65
Production, value ²	Mil. dol.	21,021	4,402	5,774	7,097	9,273	13,056	20,200	22,573	21,034	24,001	22,153
Crude oil	Mil. dol.	13,034	2,336	2,434	2,628	2,874	4,784	8,844	8,929	8,935	9,623	9,590
Condensate	Mil. dol.	1,104	198	249	226	254	360	844	1,225	1,106	1,206	1,031
Natural gas	Mil. dol.	5,673	1,853	2,768	4,135	6,126	7,885	10,503	12,420	10,993	13,172	11,532
Production: ²	Mil. bbls.	3,167	294	277	270	262	259	263	284	304	330	352
Crude oil	Mil. bbls.	247	22	27	22	23	19	27	37	36	40	37
Condensate	Mil. bbls.	247	22	27	22	23	19	27	37	36	40	37
Natural gas	Tril. cu. ft.	24,738	3,596	3,738	4,385	4,673	4,641	4,850	4,680	3,940	4,537	4,000

¹ Represents zero. ² Includes condensate royalties. * Production value is value at time of production, not current value.

Source: U.S. Dept. of Interior, Minerals Management Service, *Federal Offshore Statistics*, September 1985.

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No. 1228. PETROLEUM INVENTORIES AT THE BEGINNING OF PEAK SEASONS: 1975 TO 1985

FUEL	Unit	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Petroleum, total (Sept. 30)	Mil. bbls.....	1,147	1,192	1,304	1,263	1,309	1,447	1,476	1,414	1,485	1,513	1,502
Motor gasoline (Mar. 31)	Mil. bbls.....	72.7	71.4	73.4	69.9	74.5	89.8	95.0	84.9	96.9	96.8	96.7
Distillate fuel oil (Sept. 30)	Mil. bbls.....	248.7	239.1	262.2	259.6	240.1	262.8	232.4	198.1	182.7	202.1	185.6
Residual fuel oil (Sept. 30)	Mil. bbls.....	220.8	232.3	252.8	220.7	220.4	232.4	207.3	161.2	154.0	142.9	117.4
	Days' supply ¹	40.0	36.3	38.8	37.4	33.8	43.9	36.6	31.9	29.0	32.2	28.4
	Mil. bbls.....	76.9	76.4	87.5	81.3	87.8	87.9	80.2	61.8	49.7	46.8	43.4
	Days' supply ¹	34.4	29.8	29.9	29.0	34.6	38.0	42.2	40.7	36.8	38.8	39.9

¹ Days' supply is derived by dividing Inventories by previous three month average daily consumption (products supplied).
Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

No. 1229. U.S. DIRECT INVESTMENT AND INCOME ABROAD IN PETROLEUM—VALUE, BY REGION AND COUNTRY: 1980 TO 1985

[In millions of dollars. Minus sign (–) indicates loss. See also *Historical Statistics, Colonial Times to 1970*, series U 41-46]

REGION AND COUNTRY	DIRECT INVESTMENT POSITION (at yearend)					INCOME				
	1980	1982	1983	1984	1985 ¹	1980	1982	1983	1984	1985 ¹
All areas.....	47,591	56,810	60,330	59,088	58,347	13,181	10,227	9,548	9,729	9,204
Developed countries	34,621	37,134	39,093	36,026	36,627	8,632	4,879	5,640	5,962	5,901
Canada.....	10,800	10,357	10,883	11,241	9,548	1,986	1,079	1,342	1,342	1,124
Europe.....	20,101	22,539	23,774	20,953	22,638	5,879	3,241	3,698	4,344	4,055
Japan.....	1,570	1,709	2,012	2,052	2,178	178	271	443	260	169
Australia, New Zealand, and South Africa	2,149	2,530	2,423	1,780	2,263	589	288	156	17	553
Developing countries	(D)	16,040	16,903	18,651	17,314	4,138	4,669	3,184	3,286	3,068
Latin America.....	4,380	6,677	6,944	6,320	5,299	961	1,046	658	12	481
Other Africa.....	2,247	3,537	3,522	3,329	3,497	1,238	831	719	924	811
Middle East ²	(D)	758	986	2,613	2,326	-338	535	-25	295	102
Other Asia and Pacific.....	2,777	5,068	4,540	6,389	6,191	2,277	2,257	1,831	2,055	1,673
International.....	(D)	3,636	4,334	4,411	4,406	412	679	925	481	237

D Withheld to avoid disclosure of individual company data. ¹ Preliminary. ² Includes Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Neutral Zone, Qatar, Saudi Arabia, South Yemen, Syria, Oman, United Arab Emirates, and Yemen. Data for 1980-1984, are based on the 1977 benchmark survey. See *Survey of Current Business*, August 1982.

No. 1230. FOREIGN DIRECT INVESTMENT IN PETROLEUM IN THE UNITED STATES: 1980 TO 1985

[In millions of dollars. Investment at yearend]

AREA	INVESTMENT						INCOME					
	1980	1981	1982	1983	1984	1985, prel.	1980	1981	1982	1983	1984	1985, prel.
Total.....	12,200	15,246	17,660	16,209	25,400	28,123	2,865	3,075	2,259	1,657	2,788	2,425
Canada.....	1,817	1,801	1,550	1,391	1,544	1,659	141	25	-281	-222	-67	149
Europe ¹	10,137	12,854	15,071	16,326	23,142	25,437	2,607	2,893	2,501	2,109	2,896	2,353
United Kingdom.....	-257	-124	5,444	9,455	10,981	12,246	-16	-38	(D)	(D)	1,187	916
Netherlands.....	9,265	11,547	8,098	8,646	9,981	11,315	2,433	2,568	1,383	1,048	1,421	(D)
Japan.....	-232	-78	113	-408	-88	81	3	6	(Z)	-57	3	-8
Australia, New Zealand, and So. Africa	(D)	38	22	67	57	101	(Z)	1	(D)	-1	-4	-4
Latin America.....	413	618	906	829	656	608	113	149	30	-176	-41	-68
Middle East.....	(Z)	(D)	14	14	15	(D)	(Z)	(D)	3	1	1	1
Africa, ² Asia, and Pacific.....	(D)	(D)	-16	-9	75	(D)	(Z)	(D)	-	-	-	-

¹ Represents zero. D Withheld to avoid disclosure of individual company data. Z Less than \$500,000.

² Includes countries not shown separately. ² Excludes South Africa.

Source of tables 1229-1230: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1986, and earlier issues.

No. 1231. LIQUEFIED PETROLEUM GASES—SUMMARY: 1980 TO 1985

[In millions of 42-gallon barrels. Includes ethane]

ITEM	1980	1983	1984	1985	ITEM	1980	1983	1984	1985
Production	561	599	621	622	Consumption.....	538	551	576	584
At natural gas plants.....	441	480	488	479	Ethane ¹	164	194	215	210
At refineries.....	121	120	133	143	Propane ¹	288	307	305	322
Imports.....	79	69	71	68	Butane (incl. Isobutane) ²	76	49	55	52
Refinery Input.....	85	92	106	111	Stocks, Dec. 31	116	101	101	74
Exports.....	9	27	18	23					

¹ Reported consumption of ethane-propane mixtures have been allocated 70 percent ethane and 30 percent propane.

² Reported consumption of butane-propane mixtures have been allocated 60 percent butane and 40 percent propane.

Source: U.S. Energy Information Administration, *Petroleum Supply Annual*.

Mining and Mineral Products

NO. 1232. CRUDE PETROLEUM AND NATURAL GAS—PRODUCTION, BY STATE: 1971 TO 1985

[See *Historical Statistics, Colonial Times to 1970*, series M 138 and M 142 for petroleum production, and series M 147–161 for natural gas production]

STATE	CRUDE PETROLEUM PRODUCTION (mil. bbl.)							NATURAL GAS MARKETED PRODUCTION ¹ (bil. cu. ft.)						
	1971– 1980, avg.	1980	1981	1982	1983	1984	1985	1971– 1980, avg.	1980	1981	1982	1983	1984	1985, proj.
Total ²	3,196	3,147	3,129	3,157	3,171	3,241	3,274	21,018	20,180	19,960	18,520	18,822	18,230	17,218
AL	15	22	21	20	19	20	22	46	65	79	75	91	102	107
AK	215	592	587	619	626	630	666	168	231	243	264	277	289	324
AR	18	18	18	19	19	19	19	120	93	125	128	135	135	129
CA	342	357	385	402	405	412	424	377	310	381	384	415	476	494
CO	34	30	30	31	29	29	30	182	188	196	210	164	173	187
FL	37	43	35	26	19	14	11	38	41	32	23	21	13	11
IL	28	23	24	28	29	29	30	1	2	1	1	1	2	(NA)
IN	6	5	5	6	5	6	5	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(NA)
KS	63	60	66	71	72	76	75	840	735	640	430	435	466	513
KY	8	6	7	7	8	8	8	64	57	61	52	47	62	(NA)
LA	671	469	449	458	480	515	508	7,504	6,639	6,780	6,172	5,332	5,825	5,146
MI	24	24	33	31	32	31	27	99	158	153	153	139	145	148
MS	48	36	34	33	31	33	31	108	175	181	167	151	158	132
MT	32	30	31	31	29	30	30	30	52	57	57	52	51	53
NE	7	6	7	7	6	6	7	3	3	3	2	2	2	(NA)
NM	94	75	72	71	75	79	79	1,200	1,150	1,134	991	895	957	896
NY	1	1	1	1	1	1	1	9	16	16	16	18	25	(NA)
ND	24	40	45	47	51	53	51	30	42	43	54	69	70	78
OH	10	13	14	15	15	15	15	100	139	141	138	151	186	(NA)
OK	171	150	154	159	159	168	163	1,750	1,892	2,019	1,934	1,730	1,986	1,788
PA	3	3	4	4	4	4	5	87	97	122	121	118	166	(NA)
TX	1,171	977	945	925	903	905	889	7,660	7,116	6,190	6,468	5,939	6,185	6,012
UT	32	25	26	22	30	35	41	55	88	91	94	63	75	69
WV	2	2	3	3	4	4	4	178	157	161	151	130	144	137
WY	137	126	131	118	118	124	129	360	410	410	425	444	517	497

NA Not available. Z Less than 500 million cubic feet.

¹ 1980 and thereafter, excludes nonhydrocarbon gases.

² Includes other states not shown separately.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Natural Gas Annual*, *Natural Gas Monthly*, *Petroleum Statement*, annual, *Petroleum Supply Annual*, *Natural Gas Annual*, and *Natural Gas Monthly*.

NO. 1233. NATURAL GAS—SUPPLY, CONSUMPTION, RESERVES, AND MARKETED PRODUCTION: 1970 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series M 147–161]

ITEM	Unit	1970	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985, proj.
Producing wells (yearend)...	1,000...	117	124	130	157	170	182	199	211	222	234	(NA)
Production value at wells...	Bil. dol.	3.7	5.0	9.0	18.2	24.2	32.1	39.5	45.6	43.6	48.5	42.6
Avg. per 1,000 cu. ft. dollars...	Tril. cu. ft.	.17	.22	.45	.91	1.18	1.59	1.98	2.46	2.59	2.65	2.48
Proved reserves ¹ ...	291	250	228	208	201	199	202	202	200	197	(NA)	
Marketed production ² ...	Tril. cu. ft.	21,92	22,66	20,11	19,97	20,47	20,18	19,96	18,52	16,82	18,23	17,22
Drawn from storage...	Tril. cu. ft.	1.46	1.53	1.76	2.16	2.05	1.97	1.93	2.16	2.27	2.10	2.37
Imports ³ ...	Tril. cu. ft.	.82	1.03	.95	.97	1.25	.98	.90	.92	.84	.84	.93
Consumption, total...	Tril. cu. ft.	21.14	22.05	19.54	19.63	20.24	19.88	19.40	18.00	16.83	17.85	17.28
Residential...	Tril. cu. ft.	4.84	4.88	4.92	4.90	4.97	4.75	4.55	4.63	4.38	4.56	4.41
Commercial ⁴ ...	Tril. cu. ft.	2.40	2.60	2.51	2.60	2.79	2.61	2.52	2.61	2.43	2.52	2.43
Industrial...	Tril. cu. ft.	9.25	10.18	8.36	8.40	8.40	8.20	8.06	6.94	6.62	7.23	6.88
Lease and plant fuel...	Tril. cu. ft.	1.40	1.50	1.40	1.65	1.50	1.03	.93	1.11	.98	1.08	1.02
Other industrial...	Tril. cu. ft.	7.85	8.69	6.97	6.76	6.90	7.17	7.13	5.83	5.64	6.15	5.86
Electric utilities...	Tril. cu. ft.	3.93	3.66	3.16	3.19	3.49	3.68	3.64	3.23	2.91	3.11	3.04
Transportation ⁵ ...	Tril. cu. ft.	.72	.73	.58	.53	.60	.63	.64	.60	.49	.53	.51
Extraction losses ⁶ ...	Tril. cu. ft.	.91	.92	.87	.85	.81	.78	.77	.76	.79	.84	.79
Exports...	Tril. cu. ft.	.07	.08	.07	.05	.06	.05	.06	.05	.05	.05	.06
Additions to storage ⁷ ...	Tril. cu. ft.	1.86	1.97	2.10	2.28	2.30	1.95	2.23	2.47	1.82	2.30	2.14
Unaccounted for gas ⁸ ...	Tril. cu. ft.	.23	.20	.24	.29	.37	.64	.50	.47	.64	.14	.39
World production (dry)...	Tril. cu. ft.	37.54	43.15	44.10	48.50	51.73	53.28	54.71	54.18	54.45	58.30	(NA)
U.S. production (dry)...	Tril. cu. ft.	21.01	21.73	19.24	19.66	19.40	19.18	17.76	16.03	17.39	16.38	(NA)
Percent U.S. of world...	Percent	66.0	50.4	43.6	39.4	38.0	36.4	35.1	32.8	29.4	29.8	(NA)

NA Not available. ¹ Estimated, end of year. Source: 1970–1975; American Gas Association, Arlington, VA. (Copyright); thereafter U.S. Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, annual.

² Marketed production includes gross withdrawals from reservoirs less quantities used for reservoir repressuring and quantities vented or flared. For 1980 and thereafter, it excludes the nonhydrocarbon gases subsequently removed. ³ Includes imports of liquefied natural gas. ⁴ Includes deliveries to municipalities and public authorities for institutional heating and other purposes.

⁵ Pipeline fuel. ⁶ Volumetric reduction in natural gas resulting from the extraction of natural gas constituents at natural gas processing plants. ⁷ Beginning with 1980, includes liquefied natural gas (LNG) storage in above ground tanks. ⁸ Derived by subtracting the sum of additions to storage, exports and consumption from total supply.

Source: Except as noted, U.S. Energy Information Administration, *Annual Energy Review*, *International Energy Annual*, and *Monthly Energy Review*, February 1986.

NO. 1234. NATURAL GAS PLANT LIQUIDS—PRODUCTION AND VALUE: 1970 TO 1985

[Barrels of 42 gallons. See also *Historical Statistics, Colonial Times to 1970*, series M 143-146]

ITEM	Unit	1970	1973	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total produced.....	Mil. bbl.	606	634	594	572	578	576	588	566	569	596	582
Pentanes plus.....	Mil. bbl.	197	182	149	139	125	126	122	103	85	107	103
Liquefied petroleum gases.....	Mil. bbl.	400	447	444	432	444	441	459	459	480	488	479
Ethane ¹	Mil. bbl.	73	108	123	148	146	145	145	155	166	185	180
Propane ^{1,2}	Mil. bbl.	205	214	202	180	182	181	190	189	197	193	190
Butane (incl. isobutane) ²	Mil. bbl.	121	124	119	104	115	115	124	114	116	111	109
Other finished petroleum products.....	Mil. bbl.	9	6	2	1	9	8	7	4	4	1	5
All liquid products:												
Average value.....	Dol. per bbl.	2.10	2.93	4.65	7.85	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average yield.....	Gal. per 1,000 cu ft.	1.37	1.35	1.42	1.41	1.47	1.63	1.65	1.68	1.80	1.79	1.84
Natural gas processed.....	Tril. cu ft.	19	20	18	17	16	15	15	14	13	14	13

NA Not available. ¹ Reported production of ethane-propane mixtures have been allocated 70 percent ethane and 40 percent propane. ² Reported production of ethane-propane mixtures have been allocated 60 percent ethane and 30 percent propane. ³ Estimated.

Source: Through 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Petroleum Statement Annual, Petroleum Supply Annual*, and *Natural Gas Annual*.

No. 1235. COAL AND COKE—SUMMARY: 1970 TO 1985

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1984, was 490 billion tons. Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is believed to be recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 93-126]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985 ¹
COAL²											
Total production.....	Mil. sh. tons	613	655	670	781	830	824	838	782	896	886
Value.....	Mil. dol.	3,879	12,671	14,664	18,552	20,452	21,748	22,950	20,319	22,944	22,242
World production.....	Mil. sh. tons	3,295	3,665	3,911	4,101	4,173	4,198	4,375	4,402	4,551	(NA)
Bituminous coal and lignite ³	Number.....	5,601	6,168	6,230	5,837	5,598	5,569	5,583	4,489	5,051	(NA)
Production.....	Mil. sh. tons	603	648	655	776	824	818	808	782	896	886
Value, total.....	Mil. dol.	3,773	12,472	14,486	18,359	20,198	21,514	22,850	20,319	22,944	22,242
Average per ton.....	Dollars	6.26	19.23	21.78	23.65	24.52	26.29	27.26	25.98	25.61	25.53
Method of mining:											
Underground.....	Mil. sh. tons	339	293	242	320	337	316	339	300	352	378
Surface.....	Mil. sh. tons	264	356	423	456	487	503	499	482	544	508
Percent of total production.....	Percent.....	43.8	54.8	63.6	58.7	59.0	61.4	59.5	61.6	60.7	57.3
Exports.....	Mil. sh. tons	71	66	40	65	90	110	106	78	81	93
Value.....	Mil. dol.	951	3,233	2,004	3,328	4,523	5,808	5,997	4,057	4,133	4,495
Imports.....	1,000 sh. tons.....	36	940	2,953	2,059	1,194	1,043	742	1,271	1,286	1,952
Value.....	Mil. dol.	(2)	22	75	51	30	30	30	43	45	70
Consumption ⁴	Mil. sh. tons	516	556	621	677	699	728	707	737	791	818
Electric power utilities.....	Mil. sh. tons	319	404	480	526	568	595	594	625	664	694
Industrial.....	Mil. sh. tons	184	146	133	144	126	128	105	103	118	116
Productivity average: ⁵											
Daily employment.....	1,000	140	190	242	224	225	226	217	176	178	(NA)
Days worked.....	Number.....	228	232	166	206	210	186	196	197	204	(NA)
Tons per worker:											
Per day.....	Sh./tons	18.84	14.74	14.68	15.33	16.32	18.08	18.13	20.98	22.19	(NA)
Per year.....	Sh./tons	4,296	3,420	2,952	3,158	3,427	3,363	3,497	4,133	4,527	(NA)
Production, by State:											
Alabama.....	Mil. sh. tons	20.6	22.6	20.6	23.9	26.4	24.5	26.6	23.8	27.1	26.4
Illinois.....	Mil. sh. tons	65.1	59.5	48.6	59.5	62.5	51.9	60.3	56.8	63.8	62.5
Indiana.....	Mil. sh. tons	22.3	25.1	24.2	27.5	30.9	29.3	31.8	31.8	37.6	34.5
Kentucky.....	Mil. sh. tons	125.3	143.6	135.7	149.8	150.1	157.6	150.2	131.2	159.5	161.8
Montana.....	Mil. sh. tons	3.4	22.1	26.6	32.5	29.9	33.6	27.9	28.9	33.0	32.5
Ohio.....	Mil. sh. tons	55.4	46.8	41.2	43.5	39.4	37.4	36.5	33.8	39.3	36.0
Pennsylvania.....	Mil. sh. tons	80.5	84.1	81.5	89.2	87.1	78.1	79.4	69.8	77.5	66.1
Virginia.....	Mil. sh. tons	35.0	35.5	31.9	37.0	41.0	42.0	39.8	35.0	40.4	44.3
West Virginia.....	Mil. sh. tons	144.1	109.3	85.3	112.4	121.6	112.8	128.5	115.0	131.0	127.3
Wyoming.....	Mil. sh. tons	7.2	23.8	58.3	71.8	94.9	103.0	103.0	112.2	130.9	137.8
Other States.....	Mil. sh. tons	44.0	76.0	111.2	129.2	139.8	148.2	154.1	143.8	155.9	156.8
COKE											
Production ⁶	Mil. sh. tons	66.5	57.2	49.0	52.9	46.1	42.8	28.1	25.8	30.6	26.7
Oven coke ⁷	Mil. sh. tons	66.7	56.5	49.0	52.9	46.1	42.8	28.1	25.8	30.6	28.7
Value of product at plant.....	Mil. dol.	2,193	5,261	6,657	6,682	6,029	(NA)	(NA)	(NA)	(NA)	(NA)
Coke and breeze.....	Mil. dol.	1,899	4,607	5,635	5,459	4,784	(NA)	(NA)	(NA)	(NA)	(NA)
Avg. market value per ton.....	Dollars	28	84	97	98	103	113	115	114	105	103
Coal charged.....	Mil. sh. tons	96.5	83.6	71.4	77.4	66.7	61.0	40.9	37.0	44.0	41.1
Average value per ton.....	Dollars	12,471	44,21	52,10	50,70	56,26	62,86	64,97	59,30	56,57	54,30
Yield of coke from coal.....	Percent	69.1	68.4	68.6	68.4	69.2	70.1	68.7	69.7	69.4	69.8

NA Not available. Z Less than \$500,000. ¹ Preliminary. ² Includes bituminous coal, lignite, and anthracite.

³ All domestic product data for 1970-1978 are for mines producing 1,000 short tons or more per year; thereafter, data are for all mines. Beginning 1982, includes anthracite, which accounts for approximately 0.5 percent of total coal production. ⁴ Includes some categories not shown separately. ⁵ Data for 1970-1978 are for mines producing 1,000 short tons or more per year; thereafter, for mines producing 10,000 short tons or more. Beginning 1982, includes all types of coal. ⁶ Includes beehive coke. ⁷ Prior to 1978, excludes screenings or breeze; thereafter, includes beehive and other nonrecoverable coke-oven operations.

Source: 1970 and 1975, U.S. Bureau of Mines, *Minerals Yearbook*; thereafter, U.S. Energy Information Administration, *Energy Data Reports, Weekly Coal Production; Coal Production, annual; Coke Plant Report, and Quarterly Coal Report*.

Mining and Mineral Products

NO. 1236. WORLD COAL TRADE: 1973 TO 1984

[In millions of short tons]

COUNTRIES	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984 ¹
EXPORTING COUNTRIES												
Total ²	190.9	209.9	212.5	210.2	224.7	222.5	254.9	276.0	287.4	291.3	284.2	327.6
United States	53.6	60.7	66.3	60.0	54.3	40.7	86.0	88.7	106.5	106.5	76.5	81.2
Australia	31.0	32.5	33.5	34.3	42.3	42.6	44.6	46.6	54.3	44.8	59.9	79.7
South Africa	2.1	2.5	3.0	6.6	14.0	17.0	25.7	29.9	32.5	29.9	32.2	40.7
Soviet Union	27.0	28.9	28.8	29.6	31.1	31.6	28.4	26.2	22.5	23.0	24.1	22.7
West Germany	15.3	19.2	16.2	14.4	16.0	21.0	17.2	13.8	13.1	11.2	11.5	12.9
Canada	12.1	11.9	12.9	13.0	13.3	15.1	15.3	16.1	17.7	16.4	17.6	26.7
Poland	39.5	44.1	42.4	42.9	43.3	44.2	45.6	34.3	16.6	30.6	39.0	47.1
China	3.3	3.4	3.5	4	5	.9	1.7	4.2	4.1	5.1	6.2	7.6
IMPORTING COUNTRIES												
Total ²	190.9	209.9	212.5	210.2	224.7	222.5	254.9	276.0	287.4	291.3	284.2	327.6
Western Europe	67.0	79.3	80.8	80.2	85.9	94.3	107.4	126.9	129.4	126.5	117.1	132.2
Japan	62.7	70.7	68.5	67.0	67.1	57.5	64.5	75.6	86.0	86.5	81.6	94.5
Eastern Europe	36.3	35.8	35.1	35.4	36.8	38.4	40.2	34.8	30.1	37.0	41.2	39.9
Canada	16.5	13.6	16.8	16.1	16.9	14.6	19.4	17.4	18.3	17.3	16.2	20.4

¹ Preliminary. ² Includes areas not shown separately. ³ Includes trade with Japan only.Source: U.S. Energy Information Administration, 1973-1983, *Annual Prospects for World Coal Trade 1985; 1984, Outlook for U.S. Coal Imports*.

NO. 1237. CEMENT, SAND, GRAVEL, STONE, GYPSUM, LIME, AND PHOSPHATE ROCK: 1970 TO 1984

[See also *Historical Statistics, Colonial Times to 1970*, series M 188-194 and series M 203-204. Lime excludes Puerto Rico]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Cement production ¹	Mil. sh. ton.	76.1	69.7	80.1	85.5	85.9	76.7	72.9	64.3	71.3	78.7
Portland	Percent	96.1	95.6	95.3	95.2	95.6	95.9	96.2	96.5	95.9	95.8
Shipments ²	Mil. sh. ton.	76.4	70.7	81.6	88.0	87.2	77.7	73.0	65.1	71.9	81.2
Portland	Mil. sh. ton.	73.4	67.8	77.9	83.8	83.4	74.7	70.2	62.7	68.9	77.9
Value	Mil. dol.	1,566	2,220	3,000	3,623	4,081	3,780	3,666	3,199	3,440	4,020
Average per ton	Dollar	17.88	31.41	36.78	41.17	46.57	50.89	52.20	51.04	49.89	51.62
Imports	Mil. sh. ton.	2.5	3.6	4.0	6.6	9.4	5.2	2.9	4.0	4.3	8.8
Value	Mil. dol.	34	71	94	191	302	196	151	111	161	294
Exports	Mil. sh. ton.	123	417	236	55	149	186	300	201	118	80
World production (est.)	Mil. sh. ton.	630	774	879	940	982	977	972	972	1,008	1,059
Sand and gravel sold ³	Mil. sh. ton.	944	789	929	996	979	793	720	621	682	803
Value	Mil. dol.	1,116	1,340	2,028	2,302	2,427	2,289	2,260	1,998	2,270	2,621
Stone sold or used by producers	Mil. sh. ton.	869	901	955	1,051	1,101	985	874	791	863	957
Value	Mil. dol.	1,470	2,120	2,457	2,886	3,399	3,405	3,276	3,056	3,475	3,911
Crude gypsum ⁴	Number	108	110	115	116	113	114	113	109	111	113
Active establishments ⁵	Apparent supply	15.5	15.1	20.3	23.1	22.9	19.7	18.9	17.1	20.8	23.1
Portland	Mil. sh. ton.	9.4	9.8	13.4	14.9	14.6	12.4	11.5	10.5	12.9	14.3
Imports for consumption	Mil. sh. ton.	6.1	5.4	7.1	8.3	7.8	7.4	7.6	6.7	8.0	8.9
Exports	Mil. sh. ton.	41	75	143	132	91	88	157	123	117	131
Calched gypsum produced	Mil. sh. ton.	8.4	9.2	12.6	14.0	14.5	11.8	11.7	11.2	13.9	15.5
Value	Mil. dol.	132	186	278	387	442	270	243	186	270	321
Gypsum products sold, value ⁶	Mil. dol.	353	514	911	1,248	1,392	1,242	1,196	1,122	1,606	2,274
Building uses, value	Mil. dol.	323	466	843	1,171	1,312	1,149	1,089	1,092	1,504	2,162
Lime ⁷	Active plants	194	171	161	155	154	153	150	147	139	132
Quantity sold	Number	19,747	19,133	19,947	20,443	20,945	19,010	18,856	14,075	14,867	15,922
Value	Mil. dol.	286	524	666	750	862	843	884	695	758	811
Per ton	Dollars	14.49	27.38	33.41	36.67	41.18	44.34	46.89	49.46	50.96	50.95
Phosphate rock ⁸	Mine production	125.5	187.5	184.0	191.2	204.8	231.4	202.5	114.8	138.6	179.7
P ₂ O ₅ content	Mil. ton	15.6	23.5	22.4	23.5	25.4	26.2	26.2	14.8	19.4	23.2
Marketable production	Mil. ton	38.7	48.8	52.1	55.2	66.9	60.0	59.1	41.2	46.9	54.2
P ₂ O ₅ content	Mil. ton	12.0	15.0	16.1	16.9	17.5	18.4	18.0	12.7	14.4	16.4
Value	Mil. dol.	203	1,122	822	929	1,046	1,257	1,438	950	1,027	1,182
Per ton	Dollars	5.25	22.89	15.77	16.84	18.38	20.95	24.33	23.04	21.75	21.80
Imports ⁹	Mil. sh. ton.	14	.04	.17	1.00	.98	.54	.01	.03	.01	(NA)
Value	Mil. dol.	3.8	1.6	6.1	24	21.6	12.9	.4	1.3	.4	.3
Per ton	Dollars	27.87	49.85	35.02	24.38	22.04	23.99	30.00	38.29	37.90	27.82
Exports	Mil. sh. ton.	11.7	12.3	14.6	14.2	15.8	15.7	11.5	10.8	13.2	12.7
P ₂ O ₅ content	Mil. sh. ton.	3.8	4.0	4.7	4.5	5.1	5.0	3.6	3.5	4.2	4.0
Value	Mil. dol.	60.0	429.2	288.6	297.4	356.5	431.4	373.2	299.6	327.3	324.8
Per ton	Dollars	5.11	34.98	19.79	20.94	22.56	27.41	32.57	27.06	24.73	25.56
Consumption, apparent ¹⁰	Mil. sh. ton.	27.2	34.2	37.9	40.6	43.6	45.0	38.7	31.7	38.4	46.0
World production	Mil. sh. ton.	93.6	118.6	131.5	137.8	145.3	158.8	157.7	140.4	153.5	166.0

NA Not available. ¹ Includes Puerto Rico; excludes Alaska except for imports and exports. ² Includes natural, slag, and hydraulic lime products, not shown separately, except 1970 excludes slag cement. ³ Represents sand stone and gravel used by producers. ⁴ Excludes byproduct gypsum. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. ⁵ Each mine, plant, or combination mine and plant is counted as one establishment. ⁶ Made from domestic, imported, and byproduct gypsum. ⁷ For consumption; P₂O₅ content not available. ⁸ Amount sold or used plus imports minus exports.

No. 1238. POTASH—SUMMARY: 1970 TO 1985

[In thousands of short tons, except value. See also *Historical Statistics, Colonial Times to 1970*, series M 201-202]

ITEM	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985
Production of potassium salts (marketable)	4,853	4,576	4,769	4,708	4,756	4,578	3,710	3,053	3,350	2,831	
Approximate equivalent K ₂ O	2,729	2,501	2,483	2,453	2,458	2,377	1,986	1,575	1,724	1,428	
Value ¹ (mil. dol.)	98.1	223.1	228.5	279.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
Sales of potassium salts by producers	4,703	3,819	4,804	5,014	4,701	4,045	3,734	3,252	3,510	2,761	
Approximate equivalent K ₂ O	2,729	2,094	2,543	2,632	2,444	2,103	1,987	1,669	1,807	1,395	
Value at plant (mil. dol.)	92.4	187.0	226.5	279.2	353.9	328.9	255.6	220.8	241.8	176.4	
Per ton (dollars)	19.64	49.19	47.15	55.68	75.28	61.31	71.13	67.90	68.89	76.48	
Imports for consumption of potash materials	4,403	6,271	8,556	9,375	9,031	8,712	6,988	8,071	8,761	8,343	
Approximate equivalent K ₂ O	2,605	3,797	5,189	5,693	5,481	5,287	4,253	4,894	5,323	5,061	
Value (mil. dol.)	94.7	267.2	399.2	520.8	648.0	750.4	575.4	600.8	658.1	499.1	
Exports of potash materials	968	1,419	1,577	1,233	1,746	978	1,049	622	922	1,072	
Approximate equivalent K ₂ O	544	779	892	700	926	541	572	331	492	565	
Value (mil. dol.)	28.5	92.7	88.6	79.5	179.8	107.9	93.2	55.8	85.7	(NA)	
Apparent consumption of potassium salts ²	8,140	8,671	11,782	13,156	11,987	11,779	9,671	10,701	11,349	10,032	
Approximate equivalent K ₂ O	4,730	5,112	6,840	7,626	6,699	6,849	5,647	6,231	6,638	5,891	
World production (marketable), approximate equivalent K ₂ O	20,013	27,269	28,795	28,404	30,707	29,849	27,187	30,232	31,508	31,537	

NA Not available. ¹ Derived from reported value of amount sold or used. ² Amount sold or used plus imports minus exports.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1239. SULFUR—SUMMARY: 1970 TO 1984

[In thousands of long tons, except value. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 195-199]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production, all forms ¹	9,557	11,259	10,707	10,558	10,999	11,910	11,679	11,953	9,632	9,143	10,484
Sulfur from Frasch mines	7,082	7,211	6,264	5,822	5,559	6,257	6,289	6,248	4,144	3,151	4,127
Recovered elemental sulfur	1,457	2,969	3,138	3,567	3,998	4,006	4,009	4,192	4,334	4,877	5,132
Pyrites, sulfur content only	339	237	286	166	296	394	317	302	261	(D)	(D)
Gross weight of total pyrites	845	625	750	435	766	1,033	834	784	685	(D)	(D)
Byproduct sulfuric acid ²	537	767	942	945	1,086	1,148	987	1,141	815	818	947
Shipments, Frasch mines	6,504	6,077	5,860	5,935	5,645	7,388	7,283	5,817	3,541	4,046	4,822
Approximate value (mil. dol.)	152	305	300	295	280	449	721	716	435	414	546
Avg. value per long ton (dol.)	24	50	51	50	50	61	99	123	123	102	111
Imports for consumption:											
Crude sulfur	1,537	1,897	1,727	1,977	2,143	2,455	2,483	2,482	1,875	1,668	2,517
Pyrites, sulfur content ³	130	—	—	—	—	—	—	—	—	—	—
Exports, sulfur	1,433	1,352	1,270	1,178	852	2,012	1,754	1,370	946	876	1,313

— Represents zero. D Withheld to avoid disclosure of individual company data. ¹ Includes other byproduct sulfur compounds, not shown separately. ² Represents sulfur content. Produced at copper, lead, and zinc plants. ³ Estimate.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1240. LEAD—SUMMARY: 1970 TO 1984

[In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242-249]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Smelter production of refined primary lead	667	636	653	605	623	634	604	546	565	587	436
Domestic ores and base bullion ¹	528	530	569	536	553	584	560	485	507	506	364
Foreign ores and base bullion	139	106	84	68	70	50	43	61	58	61	72
Recovery of secondary lead	597	658	727	835	848	883	745	707	630	555	642
Imports, general:											
Lead in pigs and bars	244	101	146	261	244	211	90	112	101	144	178
Lead in ores and matte	112	88	76	73	58	44	49	65	39	52	76
Exports of refined pig lead ²	6	21	6	10	9	12	181	26	66	19	5
Consumption of metal, primary and secondary	1,361	1,297	1,490	1,582	1,579	1,497	1,180	1,287	1,185	1,266	2,473
Average price, common lead:											
New York (cents per lb.)	15.69	21.53	23.10	30.70	33.65	52.64	42.46	36.53	25.54	21.68	25.55
London (cents per lb.)	13.78	18.73	20.46	28.00	29.86	54.52	41.21	33.30	24.66	19.27	20.12
Mine production of recoverable lead ³	572	621	610	592	584	579	607	481	565	495	355
Value ³ (mil. dol.)	179	267	282	364	394	610	515	359	289	215	181
World smelter production, primary (est.)	3,620	3,633	3,568	3,516	3,466	3,611	3,506	3,439	3,612	3,560	3,452
World smelter capacity	(NA)	(NA)	5,190	5,255	5,230	5,241	(NA)	(NA)	5,027	5,027	5,027

NA Not available. ¹ Excludes lead content of antimonial lead. ² Pigs, bars, and anodes. ³ Includes Alaska.Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

Mining and Mineral Products

NO. 1241. IRON ORE—SUMMARY: 1970 TO 1984

[In millions of long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205-211.]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Number of mines	74	67	65	54	51	49	37	32	27	20	20
Production ¹	89.8	78.9	80.0	55.8	81.6	85.7	69.6	73.2	35.4	37.6	51.3
Lake Superior	69.6	66.7	67.4	44.0	72.7	77.2	62.3	67.5	31.0	35.6	49.7
Northeastern	3.5	1.9	2.4	2.0	8.9	8.6	7.3	5.7	4.4	2.0	1.6
Western	14.3	9.6	10.1	9.8							
Hematite ²	33.6	19.2	19.3	11.5	15.9	13.9	11.8	10.6	6.7	5.4	(NA)
Magnatite ²	53.8	58.4	59.3	43.1	64.8	71.0	57.8	62.6	28.7	32.2	(NA)
Other	2.4	1.2	1.4	1.1	.8	.8	—	—	—	—	(NA)
Shipments ³	87.2	75.7	77.1	54.1	83.2	86.2	69.6	72.2	35.8	44.6	50.9
Value ⁴ (mil. dol.)	942	1,621	1,871	1,423	2,401	2,614	2,544	2,915	1,492	1,945	2,248
Average price per ton at mine (dol.)	10.80	21.41	24.28	26.32	28.66	32.64	36.56	40.39	41.72	43.61	44.17
Stocks, Dec. 31 (at mines)	15.3	12.3	14.0	14.8	12.4	11.3	11.7	12.7	12.1	4.1	5.3
Price (Lake Superior ores) Dec. 31:											
Natural ores, basis 51.5% Fe (dol./lg. ton)	10.80	18.50	20.26	21.18	22.30	24.56	28.50	32.53	32.53	30.03	30.03
Imports (or consumption) ⁴	44.9	46.7	44.4	37.9	33.6	33.8	25.1	26.3	14.5	13.2	17.2
Imports (or consumption)	Canada	23.9	19.1	25.0	25.3	19.2	22.6	17.3	18.8	9.3	8.6
Venezuela	13.0	13.1	9.0	6.2	6.1	4.6	3.6	5.1	1.8	1.3	1.5
Brazil	2.0	7.5	5.4	2.2	4.0	3.1	2.0	1.7	1.0	1.3	2.59
Value (mil. dol.)	480	860	980	957	845	923	773	948	471	446	529
Exports	5.5	2.5	2.9	2.1	4.2	5.1	5.7	5.5	3.2	3.8	5.0
Value (mil. dol.)	68	60	82	63	137	179	231	245	151	183	239
World production (est.)	754	902	885	828	833	889	877	843	767	724	789

¹ Represents zero. ² NA Not available. ³ Includes Southeastern district and byproduct ore, not shown separately.

⁴ Predominant mineral. ⁵ Beginning 1976, includes byproduct ore. ⁶ Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1242. GOLD AND SILVER—SUMMARY: 1970 TO 1985

[See *Historical Statistics, Colonial Times to 1970*, series M 268-269, for mine production]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985, prev.
GOLD										
Ore produced ¹										
Production, U.S.										
1,000 sh. ton	3,687	5,722	7,046	9,893	12,729	17,918	24,142	30,497	35,909	
1,000 fine oz.	1,743	1,052	954	970	1,379	1,466	2,003	2,085	2,475	
Value	63	170	297	594	634	551	849	752	786	
World production	47,522	38,476	38,830	39,179	41,250	43,127	44,996	46,408	48,217	
Industrial consumption										
U.S., net										
1,000 fine oz.	5,873	3,993	4,785	3,215	3,276	3,423	3,081	3,164	3,100	
Imports ²	237	457	1,480	2,750	2,157	1,894	1,977	2,947	2,696	
Imports (or consumption)	Mil. dol.	152	182	1,234	1,314	1,124	987	1,554	1,555	
Canada	Mil. dol.	—	1	549	88	22	4	—	—	
Soviet Union	Mil. dol.	—	—	—	—	—	—	—	—	
South Africa	Mil. dol.	(z)	6	3	33	188	38	16	8	
Exports	Mil. dol.	38	493	4,908	3,648	3,072	1,089	1,326	1,813	1,254
Price per fine oz. ³	Dollars	36.4	161.5	307.5	612.6	459.6	375.9	424.0	360.7	317.7
Production:										
Nevada	1,000 fine oz.	480	333	250	278	525	757	981	1,021	1,276
South Dakota	1,000 fine oz.	579	305	246	268	278	185	310	311	356
Utah	1,000 fine oz.	408	190	261	180	228	175	238	(D)	135
SILVER										
Ore produced ¹ ⁴										
Production, U.S.										
1,000 sh. ton	934	919	1,822	2,936	5,579	6,636	8,658	9,392	5,347	
1,000 fine oz.	45,006	34,938	37,896	32,329	40,683	40,248	43,431	44,592	39,357	
Value	80	154	420	667	428	320	497	363	242	
World production	300,991	303,112	348,120	342,804	381,617	382,969	392,054	415,239	412,273	
Industrial consumption										
U.S., net ⁵										
1,000 fine oz.	128,404	157,650	157,258	124,694	116,670	118,840	116,484	114,841	118,559	
Imports ³	Mil. dol.	104	394	562	1,606	1,028	927	2,124	963	952
Canada	Mil. dol.	64	150	277	660	375	303	420	301	288
Mexico	Mil. dol.	9	98	257	282	228	205	340	336	251
Peru	Mil. dol.	19	78	188	354	273	143	269	197	76
Exports	Mil. dol.	49	148	471	1,910	332	208	377	208	161
Price per fine oz. ⁶	Dollars	1.77	4.42	11.09	20.63	10.52	7.95	11.44	8.14	6.14
Production: ⁴										
Idaho	Mil. fine oz.	19.1	13.9	17.1	13.7	16.5	14.8	17.7	18.9	18.8
Arizona	Mil. fine oz.	7.3	6.3	7.5	6.3	8.1	6.3	4.5	4.2	4.9
Utah	Mil. fine oz.	6.0	2.8	2.5	2.2	2.9	4.3	4.6	(D)	(D)
Colorado	Mil. fine oz.	2.9	3.4	2.8	3.0	3.0	1.9	2.1	2.2	.5

¹ Represents zero. ² D Withheld to avoid disclosure. ³ Z Less than \$500,000. ⁴ Gold and silver are also produced from base-metal ores and placers. In 1975, those sources accounted for 38 percent of gold produced and 65 percent of silver.

⁵ General imports, 1970 and 1975; thereafter, imports for consumption. ⁶ Selling price. ⁷ Includes gold-silver ore.

⁸ Excludes coinage.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1243. COPPER—SUMMARY: 1970 TO 1984

[In thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 235-241]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984, prel.
New (primary) copper produced:										
Mines (from domestic ores).....	1,720	1,413	1,504	1,496	1,595	1,302	1,686	1,264	1,144	1,203
Copper ore produced ¹ (mil. sh. tons).....	258	263	260	264	306	244	306	201	198	189
Average yield of copper (percent).....	.59	.47	.52	.51	.47	.48	.51	.55	.51	.57
Smelters (from domestic ores).....	1,805	1,374	1,394	1,400	1,448	1,096	1,427	1,037	979	1,091
Percent of world total.....	24	17	16	16	16	13	16	12	11	13
Refineries (from domestic ores).....	1,521	1,288	1,411	1,463	1,557	1,241	1,577	1,173	1,106	1,195
From foreign ores, matte, etc., refinery.....	244	157	85	134	114	98	125	179	197	128
Total new refined, domestic and foreign.....	1,765	1,443	1,496	1,597	1,671	1,339	1,702	1,352	1,303	1,323
Secondary copper produced.....	1,248	972	1,196	1,375	1,711	1,584	1,563	1,309	1,194	1,256
Recovered from old scrap only.....	504	369	452	553	666	676	659	571	495	513
Imports (unmanufactured) ²	392	324	437	588	310	603	474	558	636	573
Refined	132	147	387	444	225	471	364	285	507	490
Exports of refined metallic copper.....	221	172	52	101	81	16	27	34	90	101
Stocks (producers), Dec. 31.....	470	519	580	459	374	354	472	552	362	390
Mine production of primary copper.....	1,720	1,413	1,504	1,496	1,595	1,302	1,686	1,264	1,144	1,203
Arizona.....	918	813	924	983	1,043	849	1,147	848	748	823
Montana.....	120	88	86	74	77	42	69	72	37	(D)
New Mexico.....	165	146	165	141	181	165	170	(D)	(D)	(D)
Utah.....	298	177	194	205	213	174	233	208	187	(D)
Other States.....	220	189	135	93	77	72	77	136	173	380
Avg. price, domestic production (cents per lb.).....	58.2	64.2	66.8	66.5	93.3	102.4	85.1	74.3	79.3	68.2
World smelter production.....	6,752	8,089	8,987	8,759	8,893	8,432	8,820	8,719	8,920	9,104
World smelter capacity.....		(NA)	(NA)	(NA)	10,900	11,180	(NA)	(NA)	(NA)	12,892

D Withheld to avoid disclosure of individual company data. NA Not available. ¹ Includes old tailings, smelted or retreated. Not comparable with mine production figures which include recoverable copper content of ores not classified as "copper." ² Includes copper imported for immediate consumption plus material entering country under bond. Beginning 1977, includes imports for consumption. Comprises copper in ores and concentrates, matte, refined, blister, and scrap.

No. 1244. MOYLBEDENUM CONCENTRATES—SUMMARY: 1970 TO 1985

[In millions of pounds of contained molybdenum, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series M 227-228, for production and exports of ores and concentrates]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Production.....	111.4	106.0	113.2	122.4	131.8	144.0	150.7	139.9	84.4	33.6	103.7	108.4
Shipments from mines.....	110.4	105.2	114.5	125.0	130.7	143.5	149.3	118.9	76.1	48.8	102.4	111.9
Average price per pound ¹ (mil. dol.).....	1.92	2.74	3.26	4.02	4.86	6.07	9.00	6.85-8.50	8.60	3.64	3.56	3.15
Value (mil. dol.).....	190.1	259.3	333.5	450.4	607.9	871.1	1,344.2	945.5	504.1	166.6	326.8	347.8
Exports ²	55.7	62.6	62.5	65.7	69.2	72.2	68.2	51.4	49.8	47.1	63.4	63.9
Imports for consumption.....	(Z)	2.6	2.1	2.0	2.7	2.3	1.8	2.0	3.1	1.7	(Z)	(D)
Consumption.....	76.1	90.0	85.0	91.0	96.4	103.2	108.2	80.7	49.4	27.0	54.8	(D)
Stocks (industry), Dec. 31 ³	9.7	10.7	9.4	9.2	9.0	9.5	18.1	35.0	38.5	11.6	12.5	9.3
World production, estimate.....	161.1	180.3	195.5	209.7	220.6	229.4	243.8	240.0	209.3	140.6	214.5	215.1

D Withheld to avoid disclosure of individual company data. Z Less than 50,000 pounds. ¹ Molybdenum in technical-grade oxide, f.o.b., plant of major producer, domestic sales. ² Includes roasted concentrates. ³ At mines and at plants making molybdenum products. ⁴ Free world.

No. 1245. COBALT—SUMMARY: 1970 TO 1985

[In millions of pounds of contained cobalt, except price]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production: Mine.....	.7	—	—	—	—	—	—	—	—	—	—	—
Secondary (scrap) ¹ .....	.1	.3	.3	.5	1.0	1.2	1.2	.9	.7	.9	.9	.9
Imports ²	12.4	6.6	16.5	17.5	19.0	20.0	16.3	15.6	12.9	17.2	25.3	17.7
Zaire.....	(NA)	2.2	6.8	7.5	7.8	8.8	6.2	4.2	5.0	7.7	11.8	4.8
Zambia.....	(NA)	—	1.7	2.4	2.1	3.5	2.2	1.5	1.2	2.3	3.8	4.3
Finland.....	(NA)	1.1	.8	1.3	.9	1.2	1.1	1.2	1.8	1.0	1.0	1.0
Exports ³	1.5	1.8	1.8	1.9	1.5	.7	.6	.8	.6	.8	.7	.6
Consumption.....	13.4	12.8	16.5	16.8	20.0	17.4	15.3	11.7	9.5	11.3	12.9	13.5
Inventories.....	81.0	49.5	44.1	44.5	45.2	44.2	43.3	42.2	45.1	47.3	47.6	(NA)
Government ⁴	79.1	47.6	41.0	40.9	40.8	40.8	40.8	43.8	45.9	46.2	(NA)	
Private ⁵	1.9	1.8	3.2	3.7	4.4	3.4	2.5	1.4	1.3	1.4	1.4	1.1
Price per pound ⁶ (dollars).....	2.20	3.98	4.44	5.58	7.60	24.58	25.00	14.58	8.58	5.76	10.40	11.43

— Represents zero. NA Not available. ¹ Reported consumption of purchased scrap. ² Includes countries not shown separately. ³ Content of unwrought cobalt and cobalt alloys, and waste and scrap. ⁴ Includes cobalt sold but not delivered. ⁵ Consumer stocks only. ⁶ 1970-77 weighted average based on the market price quoted by a major U.S. cobalt dealer; otherwise based on range of prices; 1980-85 weighted average "Metals Week" prices. ⁷ Represents low price for years. Price ranged from low 6.40 lb. to 20.00 per lb.

Source of tables 1243-1245: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1246. NICKEL—SUMMARY: 1970 TO 1985

[Quantities in thousands of short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 231-234.]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Mine production	16	17	16	14	14	15	15	12	3	-	15	6
Plant production:												
Primary ¹	16	14	14	13	11	12	11	10	3	(b)	10	5
Secondary ²	49	42	47	45	44	57	49	52	43	50	55	57
Imports (est. nickel content)	156	161	188	195	240	177	189	209	130	152	177	158
Exports (gross weight)	31	30	47	39	38	51	57	47	57	44	59	51
Consumption	156	146	163	155	181	196	156	145	104	128	137	120
Stocks (consumer), Dec. 31	25	35	32	19	20	20	15	23	19	20	21	19
Price per pound ³ (dollars)	1.33	2.20	2.20	2.41	2.10	3.20	2.85	2.65	2.24	2.20	2.22	2.26
World production, est	693	890	873	913	725	756	659	800	682	735	833	857

¹ Represents zero. ² Withheld to avoid disclosing company proprietary data. ³ From domestic ores. ⁴ Includes nickel recovered from iron and steel scrap. ⁵ Through 1979, peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario; thereafter, New York dealer price.

No. 1247. TIN—SUMMARY: 1970 TO 1985

[in thousands of short tons, except price. See headnote, table 1246, for exclusions]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Production: Domestic smelters	(b)	7.2	7.4	6.5	5.1	3.3	2.2	3.9	2.8	4.4	3.3
Secondary sources	22.4	17.5	20.4	23.3	23.7	20.5	17.0	15.8	15.7	17.0	16.4
Imports for consumption:											
Metal	56.7	48.9	52.7	51.6	53.3	50.7	50.6	30.8	37.5	45.4	37.2
Ore (tin content)	5.2	7.1	7.4	4.3	5.0	.9	.3	2.2	1.1	3.6	1.8
Exports	5.0	4.0	6.0	5.2	3.8	.7	1.2	1.6	1.5	1.8	1.7
Price of Straits tin at NY, dol. per lb. ²	1.74	3.40	5.35	6.30	7.54	8.46	7.33	6.54	6.55	6.24	6.57
Consumption	83	82	87	68	69	69	60	51	50	54	55
World mine production, est	256	245	264	266	270	270	278	260	232	218	210

D Withheld to avoid disclosure of individual company data. ¹ Excludes reexports. ² See footnote 5, table 1215.

No. 1248. TUNGSTEN CONCENTRATE—SUMMARY: 1970 TO 1985

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225-226, for related data]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985, prel.
Production:											
Concentrates (60% WO ₃ , basis) ¹	1,000 sh. ton	10.1	5.8	7.3	7.0	6.3	8.2	3.6	(NA)	(NA)	(NA)
Tungsten content	Mil. lb	9.3	5.5	6.9	6.6	6.0	7.8	3.5	2.2	2.6	2.2
Shipments from mines:											
Reported value f.o.b. mines	Mil. dol.	23.8	29.1	56.7	55.8	50.6	62.2	22.1	10.5	13.4	9.1
Avg. value per lb. of tungsten	Dollars	2.55	5.30	8.22	8.40	8.98	7.96	6.35	4.70	5.20	4.23
Imports, general ²	Mil. lb	1.3	6.9	9.1	11.4	11.4	11.8	7.8	6.3	12.8	10.5
Consumption ²	Mil. lb	16.7	14.0	18.8	21.6	20.4	21.7	9.9	11.4	18.9	15.1
Stocks, ² end-of-year	Mil. lb	2.2	2.5	1.5	1.6	1.4	1.7	4.0	2.5	2.2	2.5
World production ²	Mil. lb	71.4	84.5	101.5	107.1	114.6	110.8	103.4	90.0	102.4	103.6

NA Not available. ¹ A short ton of 60% tungsten trioxide (WO₃) contains 951.72 pounds of tungsten.

² Tungsten content. ³ Imports for consumption.

Source of tables 1246-1248: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1249. URANIUM INDUSTRY—SUMMARY: 1973 TO 1984

[Middle demand case. See table 965. See also *Historical Statistics, Colonial Times to 1970*, series M 266-267]

ITEM	Unit	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production.....	1,000 sh. tons ...	13.2	11.6	12.8	14.9	18.5	18.7	21.9	19.2	13.4	10.6	7.4
Net imports (UO ₃)	- .6	.2	1.2	.8	-.8	-1.6	-1.1	-1.1	6.3	2.4	6.3	6.3
Utility inventories (UO ₃ equivalent)	1,000 sh. tons ...	(NA)	'20.5	'21.5	35.6	42.8	54.4	64.0	68.6	75.0	" 62.7	
Price (1983 dol./lb. UO ₃)	Dollars	20.40	36.50	46.30	46.40	45.30	43.10	35.50	29.40	25.90	27.20	22.60
Long-term contract price	Dollars	13.10	40.80	65.00	65.20	62.20	56.40	38.60	26.80	20.80	23.00	16.60
Spot market price	Dollars	14.50	18.10	26.30	30.50	31.10	31.60	34.20	35.70	41.60	38.20	" 31.30
Capital expenditures (1983 dollars)	Mil. dol.	(NA)	461	697	1,159	1,069	1,060	949	461	173	67	34
Mining and milling	Mil. dol.	(NA)	251	417	780	617	642	625	300	96	30	10
Exploration	Mil. dol.	100	210	280	399	452	418	324	161	77	37	24
Employment.....	1,000.....	6.6	9.7	13.1	18.8	21.4	22.2	19.9	13.7	9.1	5.6	3.3
Mining and milling	1,000.....	5.0	7.6	10.3	14.6	17.0	18.1	16.5	11.4	8.3	5.2	3.1
Exploration.....	1,000.....	1.6	2.0	2.8	4.1	4.4	4.1	3.4	2.3	.8	.4	.2

NA Not available. ¹ Natural UO₃ only. ² Includes natural UO₃ (uranium oxide), natural UF₆ (uranium hexafluoride), natural UF₄ under usage agreement, UF₆ at enrichment suppliers, enriched UF₆ and fabricated fuel. ³ Average U.S. contract prices and market price settlements.

Source: U.S. Department of Energy, *Domestic Uranium Mining and Milling Industry*, annual.

No. 1250. ZINC—SUMMARY: 1970 TO 1984

[Production in thousands of short tons. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 249-250, for production]

ITEM AND STATE	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Smelter production, primary slab zinc	878	555	438	499	450	448	521	375	382	252	260	279
Value (mil. dol.).....	236	399	341	369	310	278	389	281	341	194	215	271
From domestic ores.....	404	347	308	382	355	295	281	256	286	213	232	218
From foreign ores.....	474	208	130	117	95	154	240	120	96	38	28	61
Production, redistilled secondary slab zinc.....	77	79	58	69	51	38	59	32	55	82	76	86
Avg. price of common zinc (cents per lb.).....	15.3	36.0	39.0	37.1	34.4	31.0	37.3	37.4	44.6	38.5	41.4	48.6
World smelter production, est.....	5,321	6,183	5,526	5,986	6,407	6,483	6,900	6,668	6,708	6,461	6,835	7,107
World smelter and refining capacity.....	(NA)	6,940	(NA)	7,545	7,666	8,487	8,524	(NA)	(NA)	8,529	8,600	
Mine production, recoverable zinc	534	500	469	485	450	334	295	350	344	334	303	279
Colorado.....	57	49	48	51	40	24	11	15	(D)	(D)	(D)	(D)
Idaho.....	41	39	41	47	31	36	33	31	(D)	(D)	(D)	(D)
Missouri.....	51	92	75	84	82	65	68	69	58	70	63	50
New York.....	59	93	77	74	71	29	13	37	41	58	63	(D)
Tennessee.....	118	86	83	83	90	97	94	123	130	134	121	128
Other States.....	208	141	145	146	136	83	76	75	116	72	56	101

D Withheld to avoid disclosure of individual company data. NA Not available.

Source: U.S. Bureau of Mines, *Minerals Yearbook*, and *Mineral Facts and Problems*.

No. 1251. BAUXITE—SUMMARY: 1970 TO 1984

[See also *Historical Statistics, Colonial Times to 1970*, series M 256-257]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Production:												
Crude ore.....	Mil. lg. ton.....	2.5	2.2	2.4	2.4	2.0	2.2	1.8	1.8	.9	.8	1.0
Dried bauxite.....	Mil. lg. ton.....	2.1	1.8	2.0	2.0	1.6	1.8	1.5	1.5	.7	.8	
Value.....	Mil. dol.	30.1	25.1	26.6	27.6	23.2	24.8	22.4	26.5	12.3	11.3	15.6
Imports¹ (crude, dried)	Mil. lg. ton.....	13.6	11.5	12.5	12.9	13.8	13.6	13.9	12.6	10.0	7.5	9.3
Jamaica.....	Mil. lg. ton.....	7.5	5.4	6.2	6.4	6.4	6.4	6.0	4.0	3.0	3.0	3.7
Guinea.....	Mil. lg. ton.....	.5	2.6	3.0	3.0	3.4	3.9	4.0	3.5	4.1	3.5	3.7
Suriname.....	Mil. lg. ton.....	2.9	1.9	1.5	1.9	2.3	1.5	1.3	1.1	.4	.2	.3
Value ²	Mil. dol.	159.8	245.1	315.1	349.5	397.5	389.1	(NA)	(NA)	(NA)	(NA)	(NA)
Exports (as shipped)	1,000 lg. ton.....	3	19	15	26	13	15	21	20	48	73	81
Value.....	Mil. dol. ....	.2	1.7	1.3	2.3	1.5	3.3	(NA)	(NA)	(NA)	(NA)	(NA)
Consumption (dry equivalent)	Mil. lg. ton.....	15.7	12.4	13.8	14.3	14.5	15.4	15.7	13.3	9.1	9.0	10.4
World production, est.....	Mil. lg. ton.....	56.9	73.6	76.2	80.1	79.7	84.2	87.6	84.1	76.9	77.6	83.3

NA Not available. ¹ Includes countries not shown separately. ² See footnote 1, table 1218.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

No. 1252. ALUMINUM—SUMMARY: 1970 TO 1985

[See also *Historical Statistics, Colonial Times to 1970*, series M 258-262]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production	Mil. sh. ton.....	4.8	4.9	5.8	6.1	6.4	6.5	6.4	5.2	5.4	6.4	5.8
Primary aluminum.....	Mil. sh. ton.....	4.0	3.9	4.5	4.8	5.0	5.1	4.9	3.6	3.7	4.5	3.9
Plant capacity.....	Mil. sh. ton.....	4.3	5.0	5.2	5.2	5.3	5.5	5.5	5.5	5.5	5.4	5.2
Secondary aluminum¹	Mil. sh. ton.....	.8	1.0	1.3	1.3	1.4	1.4	1.5	1.6	1.7	1.9	2.0
Value ² (primary metal)	Bil. dol.	2.6	3.7	6.0	6.6	7.8	9.3	9.8	8.0	8.5	10.4	(NA)
Primary aluminum.....	Bil. dol.	2.2	3.0	4.7	5.2	6.1	7.3	7.5	5.5	5.8	7.3	6.2
Price (cents per lb. ³)	Cents/lb.....	28.7	39.8	51.6	54.0	61.0	71.6	76.0	76.0	77.8	81.0	81.0
Secondary aluminum	Bil. dol. ....	.5	.8	1.3	1.4	1.7	2.0	2.3	2.5	2.7	3.1	(NA)
Imports for consumption⁴	1,000 sh. ton.....	468	550	836	1,080	840	713	935	968	1,203	1,628	1,565
Value.....	Bil. dol. ....	.2	.4	.8	1.1	1.0	1.4	1.3	1.6	2.5	2.0	
Exports⁴	1,000 sh. ton.....	612	440	411	520	773	1,483	867	824	855	809	1,001
Value.....	Bil. dol. ....	.4	.4	.5	.7	1.1	2.4	1.5	1.2	1.3	1.3	1.3
Shipments ⁵ (net domestic)	Mil. sh. ton.....	4.5	4.6	6.1	6.8	6.9	6.1	5.2	5.6	6.4	7.2	7.1
World production, est.....	Mil. sh. ton.....	10.6	13.4	15.2	15.6	16.0	17.0	16.6	14.8	15.3	17.3	16.8
World plant capacity	Mil. sh. ton.....	12.0	16.4	18.0	18.9	19.4	18.7	19.0	19.2	19.5	20.1	19.9

NA Not available. ¹ Recoverable aluminum content from scrap, old and new. ² Based on published producers' prices for primary metal. ³ Average of prices for primary aluminum, 1970-1978, quoted by *American Metal Market*; thereafter *Metals Week*. ⁴ Crude and semicrude (including métal and alloys, plates, bars, etc., and scrap). ⁵ Compiled by Aluminum Association from data on net shipments of aluminum ingot and mill products. Includes changes in aluminum industry and government inventories and net trade.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

Mining and Mineral Products

No. 1253. MAGNESIUM—SUMMARY: 1970 TO 1985

[In thousands of short tons, except as indicated. Magnesium metal is used primarily in the manufacturing of aircraft, automotive, and other types of transportation equipment, material-handling equipment, power tools, and alloying with other metals]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production (domestic).....	124	148	159	185	200	209	200	145	161	207	196
Primary.....	112	120	126	149	162	168	154	102	115	159	150
Secondary (recovered from scrap).....	12	28	33	36	37	40	46	43	46	48	46
Exports.....	36	33	28	42	54	57	35	40	47	48	40
Value (mil. dol.).....	22.5	48.2	51.8	75.8	113.8	127.7	90.8	104.8	124.7	136.7	113.6
Imports.....	3	8	6	7	5	4	5	5	6	9	9
Value (mil. dol.).....	2.5	11.5	8.0	10.1	9.0	8.3	17.6	15.5	16.3	25.7	25.1
Consumption.....	93	94	104	109	109	96	91	75	82	90	84
Casting and wrought products.....	23	19	20	19	19	17	15	14	15	14	17
Alloys (aluminum).....	37	47	50	50	61	54	51	40	46	49	41
Other.....	33	28	28	31	29	24	25	21	21	27	26
Price per pound (cents).....	35	82	96-99	99-101	101-109	107-125	125-134	134	138	143-148	148-153
World production (primary).....	242	258	284	318	339	348	340	280	286	360	361

¹ For 1975-1980, figures are the difference between total North American production reported by the International Magnesium Association and Canadian production.

No. 1254. PLATINUM-GROUP METALS—SUMMARY: 1970 TO 1985

[In thousands of troy ounces, except as indicated. The platinum group is comprised of six closely related metals. The metals commonly occur together in nature and are among the rarest of the metallic elements. The metals are refractory, are chemically inert toward a wide variety of materials even at high temperatures; are used as catalysts in the chemical, petroleum refining, and automotive industries, and as corrosion-resistant materials in the chemical, electrical, glass, and dental-medical industries]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
World mine production, total ^a	4,239	5,714	6,511	6,440	6,487	6,848	6,931	6,424	6,525	7,646	7,951
United States.....	17	19	6	8	7	3	7	8	6	(D)	(D)
U.S.S.R.....	2,200	2,650	3,100	3,150	3,200	3,250	3,350	3,600	3,600	3,700	3,800
South Africa.....	1,503	2,600	2,870	2,860	3,017	3,100	3,110	2,600	2,600	3,500	3,700
Primary refined.....	21	17	5	8	8	3	7	9	9	24	5
Secondary refined.....	350	270	195	257	309	331	392	344	303	340	259
Imports.....	1,411	1,820	2,510	2,921	3,479	3,502	2,850	2,494	3,218	4,474	3,990
Value (mil. dol.).....	105	273	273	450	841	1,177	900	554	752	1,118	1,028
Exports.....	414	660	427	703	900	765	863	836	1,228	1,162	889
Value (mil. dol.).....	43	88	46	102	202	341	302	182	310	275	187
Consumption ^a	1,331	1,308	1,592	2,260	2,756	2,206	1,921	1,873	1,914	2,471	2,595
Industry stocks, Jan. 1.....	1,068	1,122	1,086	1,013	861	761	973	918	1,107	943	1,319
Producer price per troy ounce (dol.):											
Platinum.....	133	164	162	237	352	439	475	475	475	475	475
Palladium.....	38	93	60	71	113	214	190	110	130	147	127
Rhodium.....	215	338	441	510	723	766	641	600	600	625	915
Iridium.....	156	477	258	300	257	505	600	600	600	600	600
Ruthenium.....	53	60	60	56	45	45	45	45	45	45	(4)
Osmium.....	215	200	175	150	150	150	150	137	110	(1)	(6)

D Withheld to avoid disclosing company proprietary data. ¹ Preliminary. ² Includes countries not shown separately.

^a Reported sales to consumers. ^b Price suspended June 7, 1984. ^c Price suspended Jan. 13, 1984.

No. 1255. TITANIUM—SUMMARY: 1970 TO 1985

[In 1985, approximately 83 percent of the titanium metal was used in jet engines, airframes, and space and missile applications; approximately 20 percent was used in the chemical processing industry, power generation, and in marine and ordnance applications; and 17 percent in steel and other alloys]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Ilmenite concentrate:												
Mine shipments.....	1,000 sh. ton....	921	702	542	581	646	594	524	293	(D)	(D)	(D)
Value.....	Mil. dol.	18.6	26.9	25.2	25.6	33.0	32.0	37.0	19.1	(D)	(D)	(D)
Imports.....	1,000 sh. ton....	96	122	336	373	184	357	236	348	259	410	507
Value.....	Mil. dol.	1.0	2.1	5.7	4.5	2.8	6.7	5.9	8.8	9.3	11.1	14.6
Consumption.....	1,000 sh. ton....	972	748	867	792	791	849	856	583	731	783	756
Titanium dioxide pigments:												
Production.....	1,000 sh. ton....	655	603	687	701	742	727	761	660	760	835	849
Imports for consumption.....	1,000 sh. ton....	60	26	115	118	105	98	125	139	175	194	196
Apparent consumption.....	1,000 sh. ton....	(NA)	595	785	802	837	753	806	741	853	916	970
Price, Dec. 31:												
Anatase.....	Cents/lb.....	26	39	44	46	53	57	69	69	69	69	72
Rutile.....	Cents/lb.....	26-27	44	49	51	59	63	75	75	75	75	78
World production:												
Ilmenite concentrate.....	1,000 sh. ton....	3,108	3,194	3,653	3,875	3,910	4,107	4,021	3,339	2,948	3,402	3,654
Titanium slag.....	1,000 sh. ton....	853	832	765	1,037	842	1,313	1,245	1,157	1,160	1,260	1,410
Rutile concentrate, natural ¹	1,000 sh. ton....	460	422	401	333	390	480	399	373	342	388	402

D Withheld to avoid disclosing company proprietary data. NA Not available. ¹ Excludes U.S. production data to avoid disclosing company proprietary data.

² Estimated.

Source of tables 1253-1255: U.S. Bureau of Mines, Minerals Yearbook.

Chromite—Ferroalloys—Beryllium

695

No. 1256. CHROMITE—SUMMARY: 1970 TO 1985

[In thousands of short tons, except as indicated]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Imports for consumption ¹	1,405	1,252	1,293	1,013	1,024	992	898	507	190	305	414
Value (mil. dol.)	31.8	60.7	68.7	51.4	55.6	56.5	49.9	29.7	10.4	15.5	20.2
South Africa	407	289	659	490	353	405	482	277	144	235	301
Soviet Union	248	349	60	157	250	170	111	34	(2)	-	-
Philippines	210	210	172	185	194	138	145	70	13	48	41
Exports	41	139	187	23	27	6	71	8	11	55	101
Reexports	73	45	61	29	28	44	67	57	5	4	4
Consumption, total	1,403	881	1,000	1,010	1,214	977	889	558	320	512	560
Metallurgical industry	912	532	578	534	774	577	503	283	64	226	273
Refractory industry	278	183	208	237	198	180	148	80	72	97	65
Chemical industry	213	166	214	239	242	240	238	195	184	189	222
Stocks, Dec. 31 (consumer)	733	952	1,338	1,301	907	675	728	546	456	327	300
World production ¹	6,672	9,126	10,415	12,064	10,277	10,915	10,018	9,026	8,829	10,312	10,981
South Africa	1,573	2,288	3,372	3,466	3,634	3,763	3,164	2,385	2,480	3,314	3,682
Soviet Union	1,930	2,290	2,400	3,840	2,535	3,200	3,200	3,240	3,240	3,240	3,240
Philippines	624	573	593	595	613	547	484	355	294	286	284

- Represents zero. Z Fewer than 500 short tons.

¹ Includes countries not shown separately.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1257. FERROALLOYS—SUMMARY: 1970 TO 1985

[Domestic production data for ferroalloys are developed by the Bureau of Mines by means of monthly and annual surveys. Ferroalloy is defined as an alloy of iron and contains a sufficient amount of one or more chemical elements to be useful as an agent for introducing these elements into molten metal, usually steel. The major consumers of ferroalloys are the steel and ferrous foundry industries; see tables 1335–1338.]

ITEM	QUANTITY (1,000 sh. tons)						VALUE (mil. dol.)					
	1970	1975	1980	1983	1984	1985	1970	1975	1980	1983	1984	1985
Domestic shipments¹												
Ferromanganese ²	2,489.6	1,768.1	1,486.1	859.0	1,153.9	941.7	548.1	906.7	1,129.9	551.3	760.5	699.2
807.4	556.1	194.3	108.9	185.5	166.6	134.5	222.5	99.6	53.8	106.3	100.9	
Silicomanganese ²	173.0	126.4	161.6	63.1	(9)	32.0	53.9	70.3	21.2	(3)	(3)	
Manganese metal	(NA)	22.1	(NA)	(D)	(9)	(NA)	(NA)	(NA)	(D)	(9)	(9)	
Ferrosilicon	655.2	709.9	681.4	361.0	498.1	404.7	136.2	321.5	442.6	180.3	259.4	190.4
Silicon metal	97.7	131.1	124.5	123.1	139.4	121.8	(NA)	(NA)	(NA)	113.5	171.8	157.2
Chromium alloys	370.9	223.5	237.5	53.2	120.8	108.5	126.3	177.5	109.9	53.1	102.1	97.7
Ferrocolumbium	1.4	5.5	1.3	(D)	(D)	(D)	9.4	3.5	34.5	(D)	9.8	8.8
Ferrophosphorus	176.1	96.0	85.4	62.1	113.5	54.9	6.5	10.9	13.1	7.0	18.1	7.9
U.S. exports												
Ferroalloys	(NA)	(NA)	155.5	75.4	133.5	106.0	(NA)	(NA)	173.8	100.8	165.0	135.3
Metals ¹	151.1	97.4	128.5	66.1	124.8	98.5	55.7	58.9	93.1	41.9	66.9	63.4
Silicon	(NA)	(NA)	27.0	9.4	8.8	7.5	(NA)	(NA)	80.7	58.9	98.1	71.9
Manganese	(NA)	(NA)	14.4	2.8	4.4	2.1	(NA)	(NA)	65.5	47.8	88.5	61.6
U.S. imports												
Ferroalloys	(NA)	927.3	1,149.1	1,009.6	1,220.0	1,131.2	(NA)	482.9	643.7	448.7	629.4	600.5
Manganese alloys	385.6	913.6	1,115.9	973.1	1,176.8	1,086.9	60.5	496.0	585.9	403.3	537.0	488.4
305.5	451.9	683.5	481.4	548.0	532.7	33.3	151.4	240.8	133.3	162.5	155.9	
Ferrosilicon	22.4	70.4	71.2	159.4	143.7	155.4	4.1	42.0	42.6	67.4	72.9	74.0
Chromium alloys	41.3	322.9	302.3	281.7	433.8	335.0	9.6	192.7	155.8	109.7	187.2	158.6
Metals	(NA)	13.7	33.2	36.5	43.2	64.3	(NA)	16.8	57.8	45.4	92.4	112.0
Silicon	(NA)	7.7	21.3	27.5	25.2	51.8	(NA)	6.2	21.4	26.4	55.4	83.4
Chromium	1.9	1.6	4.1	3.1	4.7	4.0	3.1	6.6	28.4	13.7	24.1	19.6
Manganese	1.3	4.4	7.9	6.0	13.3	8.6	.5	4.0	8.0	5.3	13.0	9.1

D Withheld to avoid disclosure of individual company data. NA Not available. ¹ Includes other not shown separately.

² Includes fused-salt electrolytic low and medium-carbon ferromanganese.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1258. BERYLLIUM—SUMMARY: 1970 TO 1985

[In short tons, except as indicated] Represents beryllium mineral concentrates. Beryllium has great stiffness, (exceeding that of other metals, including steels), useful heat dissipation properties, a very high strength-to-weight ratio, useful nuclear moderating and reflecting properties, and excellent corrosion resistance. Its major use is as a beryllium-copper alloy in communications, computers, switching, and other electronic and electrical applications.]

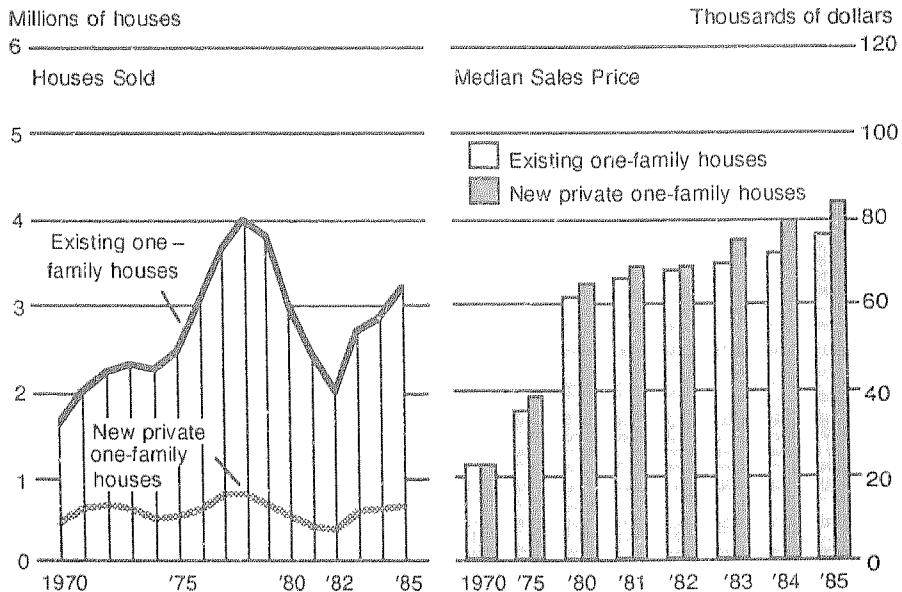
ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
Imports for consumption	4,942	1,479	746	1,031	1,037	1,703	2,138	2,652	2,194	1,332	1,646
9,496	4,850	4,165	5,916	9,518	8,508	8,141	5,387	6,989	9,003	(NA)	87
Price, per short ton unit BeO ² (dollars)	35	32	40	40	47	69	94	121	128	88	(NA)
Year-end stocks	5,698	3,546	3,557	1,346	835	1,850	2,223	5,112	7,037	5,653	9,688
World production of beryl	6,857	3,290	2,844	2,888	2,642	10,272	10,609	9,003	9,950	9,638	9,688

NA Not available. ¹ Includes bertrandite ore which was calculated as equivalent to beryl containing 11% BeO.

² Approximate. Imported cobbed beryl at port of exploration.

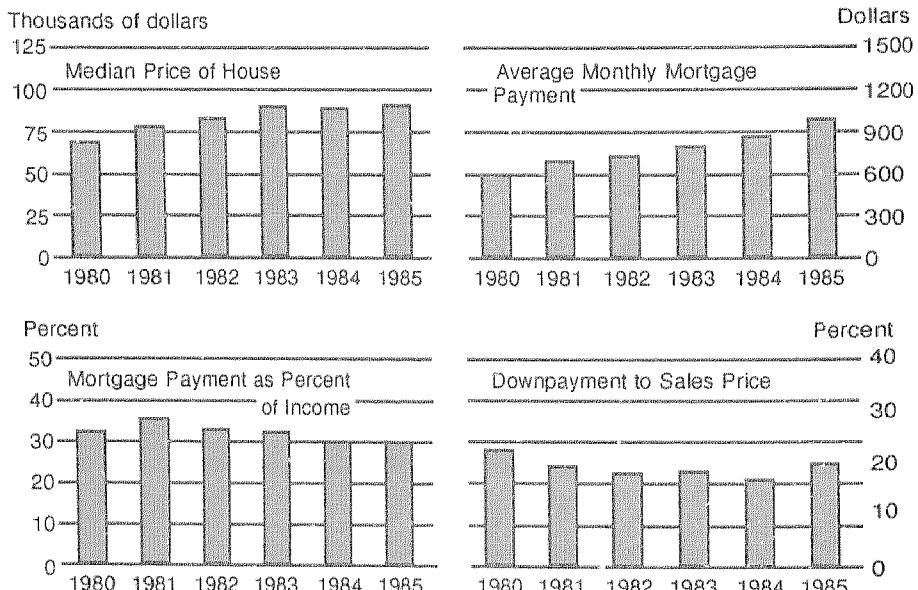
Source: U.S. Bureau of Mines, *Minerals Yearbook*.

Figure 27.1

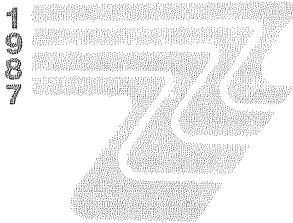
Houses Sold and Sales Price: 1970 to 1985

Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1274, 1275, and 1277.

Figure 27.2

Recent Home Buyers—General Characteristics: 1980 to 1985

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1283.



Section 27

Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics and occupants; on public housing; on mortgages; and on commercial buildings.

The principal source of these data is the U.S. Bureau of the Census, which issues a variety of current publications. Construction statistics compiled by the Bureau appear in its monthly *Construction Reports* series with various quarterly or annual supplements; *Housing Starts* and *Housing Completions* present data by type of structure and by 4 major census regions; *New One-Family Houses Sold and For Sale* also provides statistics annually on physical and financial characteristics for all new housing by the 4 major census regions; *Value of New Construction Put in Place* includes monthly composite construction cost indexes; *Price Index of New One-Family Houses Sold* presents quarterly figures and annual regional data; and *Housing Units Authorized by Building Permits* covers approximately 17,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Residential Alterations and Repairs*. Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies*, the quarterly *Market Absorption of Apartments*, the Annual Housing Survey and reports of the censuses of housing and of construction industries. *Construction Review*, published quarterly by the International Trade Administration, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY, which presents State data on construction contracts; the National Association of Home Builders with State-level data on housing starts; the NATIONAL ASSOCIATION OF REALTORS, which presents data on existing home sales; the Bureau of Economic Analysis, which presents data on residential capital and gross housing product; and the Federal Home Loan Bank Board, the Department of Housing and Urban Development (HUD), and the Veterans Administration, which publish financial data. Data on conventional home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provides data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970-1979*. Data on mortgages insured by the Federal Housing Administration (FHA) and on VA-guaranteed loans are also presented in this section. The Energy Information Administration provides data on commercial buildings through its periodic sample surveys.

Censuses and surveys.—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; beginning in 1967, a census has been taken every five years (for years ending in "2" and "7"). The latest reports are for 1982.

The 1982 Census of Construction Industries, in accordance with the 1972 *Standard Industrial Classification Manual* (see text, section 13), defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction are conducted.

From 1850 through 1930, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, 1970, and 1980 censuses estimated the underenumeration of occupied housing units at 2.9 percent, 2.4 percent, 1.7 percent, and 1.5 percent respectively. The missed rate in 1980 for all housing units was 2.6 percent or approximately 2.3 million units, 1 million of which were vacant housing units.

The Annual Housing Survey (*Current Housing Reports*, series H-150 and H-170), which began in 1973, provided an annual and ongoing series of data on selected housing and demographic characteristics until 1983. In 1984 the name of the survey was changed to the American Housing

Survey. It is currently based on a biennial national sample and on 11 annual MSA samples. All samples represent a cross section of the housing stock in their respective areas. Estimates are subject to both sampling and nonsampling errors; caution should therefore, be used in making comparisons with 1970 and 1980 census data.

Data on residential mortgages were collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been presented in the Annual Housing Survey.

Housing units.—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

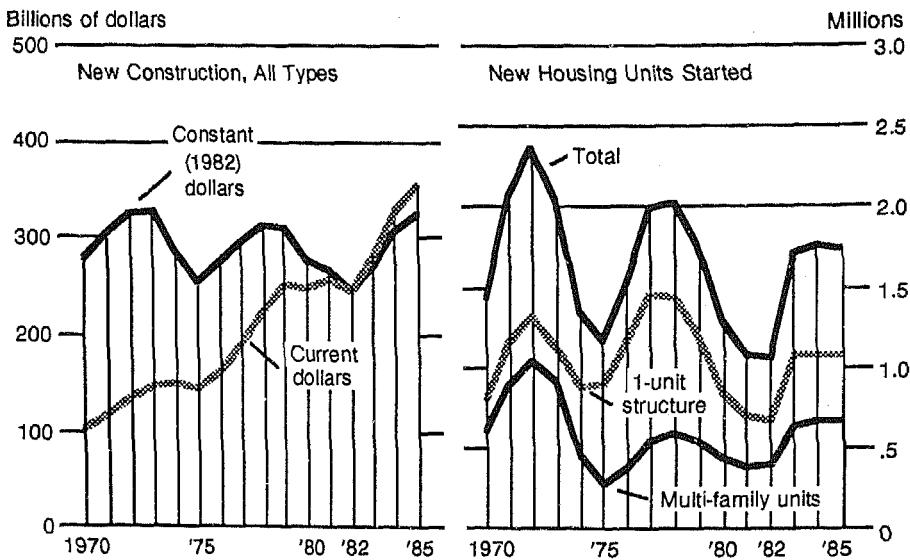
Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

Figure 27.3.

New Construction – Value of Total Construction and Housing Units Started: 1970 to 1985



Source: Chart prepared by U.S. Bureau of the Census. For data, see tables 1262 and 1270.

Construction Industries—Materials

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No. 1259. CONSTRUCTION INDUSTRIES—SUMMARY, BY INDUSTRY: 1972 TO 1982

[Based on a probability sample of about 167,000 construction establishments with payroll in 1972, 181,000 in 1977, and 172,000 in 1982; see Appendix III. N.e.c. = Not elsewhere classified]

INDUSTRY	Establishments with payroll (1,000)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added ^a (mil. dol.)
		Total	Construction workers	Total	Construction workers	Total	Net construction ^b	
1972, total	437.9	4,146	3,487	40,005	32,187	155,850	111,232	68,197
Contract construction	430.0	4,083	3,464	39,528	32,036	152,722	110,716	67,810
General building contractors	133.1	1,150	938	10,189	7,740	64,350	33,245	17,884
Heavy construction contractors	28.0	827	708	9,255	7,537	31,461	25,357	16,200
Special trade contractors	269.0	2,107	1,817	20,114	16,759	56,911	52,114	33,728
1977, total	480.0	4,273	3,565	54,980	43,112	224,685	164,516	98,864
Contract construction	474.9	4,234	3,548	54,566	42,963	221,622	163,463	98,116
General building contractors	156.0	1,181	963	13,537	10,041	89,787	48,262	25,040
Heavy construction contractors	31.3	917	757	14,267	10,988	50,728	40,272	26,573
Special trade contractors	287.7	2,138	1,827	26,782	21,934	81,108	74,929	46,502
1982, total	456.7	4,275	3,453	78,686	60,175	324,512	233,267	145,985
Contract construction	450.8	4,235	3,438	78,097	60,017	321,100	232,005	144,946
General building contractors	123.2	984	756	17,049	11,647	117,111	57,387	33,588
Single-family houses	72.1	310	253	3,606	2,749	20,129	14,116	7,877
Other residential buildings	7.5	83	50	1,078	760	7,983	9,570	1,951
Operative builders	14.1	108	53	1,874	710	18,085	8,841	5,492
Industrial buildings and warehouses	7.4	154	122	3,231	2,344	18,119	9,284	5,758
Nonresidential buildings, n.e.c.	22.1	360	276	7,280	5,085	52,825	21,547	12,512
Heavy construction contractors	28.2	852	703	19,444	15,359	71,024	54,654	36,060
Highway and street construction	10.1	213	180	3,989	3,138	19,035	14,987	8,633
Bridge, tunnel, and elevated highway	1.0	38	32	816	685	3,549	2,812	1,468
Water, sewer, and utility lines	9.4	187	160	3,576	2,907	12,129	10,482	7,005
Heavy construction, n.e.c.	7.7	415	328	11,063	8,649	36,310	26,392	18,953
Special trade contractors ^c	299.4	2,389	1,979	41,605	33,011	132,865	119,984	75,299
Plumbing, heating, air-conditioning	60.2	512	398	9,881	7,477	33,521	28,846	16,982
Painting, paperhanging, decorating	24.8	136	121	1,876	1,589	4,688	4,399	3,360
Electrical work	39.6	435	352	9,107	7,347	26,441	25,252	15,123
Masonry and other stonework	20.2	121	110	1,551	1,344	4,333	4,046	2,667
Plastering, drywall, insulation	16.4	200	172	3,573	2,930	10,206	9,215	6,009
Carpentering	30.8	133	117	1,812	1,352	5,512	4,759	2,929
Roofing and sheet metal work	21.1	191	159	3,035	2,321	10,034	9,315	5,460
Concrete work	20.0	157	138	2,310	1,902	8,377	7,447	4,492
Structural steel erection	3.7	62	53	1,291	1,058	3,650	3,233	2,376
Excavating and foundation work	19.6	136	115	2,152	1,757	8,473	7,337	5,507
Installing building equipment, n.e.c.	3.8	60	49	1,449	1,145	4,256	3,971	2,952
Special trade contractors, n.e.c.	25.1	172	138	2,960	2,091	9,379	8,324	5,306
Subdividers and developers, n.e.c.	5.8	40	15	569	157	3,425	1,263	1,019

^a Construction receipts less payments for construction work subcontracted to others, not shown separately. ^b Total receipts less (e) payments for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown separately. ^c Includes other industries each with less than \$3.0 billion in total receipts, not shown separately.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1972, 1977, and 1982*, series CC.

No. 1260. CONSTRUCTION MATERIALS—PRODUCER PRICE INDEXES: 1970 TO 1985

[1967=100, except as noted. For discussion of producer price index, see text, section 15. Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. See also *Historical Statistics, Colonial Times to 1970*, series N 140-155]

COMMODITY	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
All materials	112.5	174.0	204.9	228.3	251.4	286.4	283.0	288.0	297.7	306.4	309.8
Softwood lumber: Douglas fir	108.7	212.0	291.4	339.7	383.9	353.0	311.8	286.2	361.5	328.1	336.8
Southern pine	114.7	175.3	262.5	304.6	324.2	297.4	291.6	285.9	319.9	319.8	300.7
Hardwood lumber	114.6	160.3	200.3	235.8	260.0	250.4	255.2	262.4	283.7	319.7	307.2
Millwork	116.0	160.4	193.7	235.4	254.3	260.4	273.4	279.4	302.3	307.8	312.1
Plywood	108.4	161.2	212.2	236.5	250.5	246.5	245.7	232.1	244.1	241.6	231.1
Building paper and board	101.0	127.1	157.0	187.4	182.4	206.2	231.7	239.5	250.0	258.0	257.2
Prepared paint	112.4	166.9	182.4	192.3	204.4	235.3	249.8	282.8	264.7	272.5	276.8
Finished steel products:											
Line pipe, carbon	119.2	227.8	260.5	296.6	303.4	336.3	394.2	416.8	408.4	405.6	405.1
Reinforcing bars ^a	42.9	77.4	72.2	80.9	101.4	106.7	107.0	99.7	92.4	98.9	101.1
Galvanized sheets and strip ^a	34.0	58.7	69.2	75.3	83.8	86.1	97.9	100.0	108.3	113.7	113.7
Bright nails	114.8	241.4	261.3	273.5	298.5	331.9	356.9	365.3	358.0	363.0	365.9
Nonferrous metal products	124.7	171.6	195.4	207.8	261.7	305.0	285.8	263.6	276.1	277.1	262.5
Aluminum drawn tube, 6,000 alloy ^a	100.7	159.9	174.1	189.7	216.1	242.2	265.9	282.9	285.5	310.5	310.5
Plumbing fixtures	111.2	162.3	186.1	199.1	217.1	246.7	267.5	278.7	289.3	302.7	311.8
Heating equipment	110.6	150.7	165.5	174.4	187.1	206.5	224.2	237.2	243.6	252.9	258.7
Metal doors, sash, trim	113.0	162.5	188.7	207.6	226.9	255.2	278.8	290.5	298.8	309.6	311.9
Concrete ingredients	112.6	172.3	198.0	217.7	244.0	274.0	296.3	310.0	313.3	325.7	336.2
Concrete products	112.2	170.5	191.8	204.4	214.1	237.9	291.2	297.8	302.0	309.6	320.1
Structural clay products	108.9	151.2	179.8	227.2	217.9	244.5	249.8	280.8	277.8	286.8	295.9
Gypsum products	99.7	144.0	183.5	229.1	252.3	256.3	256.2	256.1	286.0	346.7	338.8
Asphalt felts and coatings	102.7	225.9	253.0	292.0	325.3	396.8	407.5	398.4	384.0	399.5	408.7
Insulation materials	123.2	196.2	235.9	250.7	256.3	287.9	(NA)	356.6	369.7	370.7	374.9

NA Not available. ^a June 1982=100. ^b Dec. 1969=100.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

NO. 1261. PRICE AND COST INDEXES FOR CONSTRUCTION: 1970 TO 1985

[1982 = 100. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these sources are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 118-137, for construction cost indexes on a 1947-49 base.]

NAME OF INDEX	1970	1975	1976	1978	1979	1980	1981	1983	1984	1985
Price Index for new one-family houses sold ¹	35.1	52.3	55.4	70.4	80.1	88.8	97.0	102.6	106.2	108.4
Dept. of Commerce composite ²	36.5	56.4	58.8	71.5	80.8	89.4	97.0	102.7	106.3	109.4
Federal Highway Admin., Highways ³	39.5	65.9	63.6	81.3	97.1	111.0	106.7	99.8	105.6	117.2
Bureau of Reclamation composite ⁴	37	59	63	71	78	87	95	101	103	105
Federal Energy Regulatory Commission:										
Pipeline	37	63	67	76	82	91	99	101	103	(NA)
Turner Construction Co.: Building construction ⁵	40	61	62	68	76	84	93	105	111	115
E.H. Boeckh, building cost index: ⁶										
Small residential structures	38.3	57.4	62.2	73.9	80.7	87.4	92.2	105.9	111.9	115.1
Apartments, hotels, and office buildings	38.3	57.1	61.6	71.0	76.5	83.4	91.6	106.4	111.2	119.0
Commercial and factory buildings	36.8	56.2	61.0	70.8	77.1	84.1	92.2	105.3	109.4	111.3
Engineering News-Record: ⁷										
Building construction	37.4	58.5	63.8	74.9	81.4	87.0	93.9	108.7	108.2	108.8
General construction	36.2	57.8	62.7	72.6	78.5	84.6	92.5	106.3	108.4	109.3
Handy-Whitman public utility: ⁸										
Building	37	66	67	77	86	95	100	103	107	110
Electric light and power ⁹	35	80	64	72	78	87	95	103	105	107

NA Not available. ¹ Excludes value of site. ² Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction. ³ Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete). ⁴ Derived from the four quarterly indexes which are weighted averages of costs of labor, materials, and equipment for the construction of dams and reclamation projects. ⁵ Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs. ⁶ Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and Social Security payroll taxes. ⁷ Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. ⁸ Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs. ⁹ As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: U.S. Bureau of the Census. In U.S. Department of Commerce, International Trade Administration, *Construction Review*, bimonthly.

NO. 1262. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1960 TO 1985

[In millions of dollars. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 66-69.]

YEAR	CURRENT DOLLARS				CONSTANT (1982) DOLLARS				Public	
	Total	Private		Public	Total	Private		Nonresidential buildings		
		Total	Residential buildings			Total	Residential buildings			
1960	54,738	38,875	22,875	10,149	15,863	(NA)	(NA)	(NA)	(NA)	
1965	78,474	56,554	30,235	21,920	276,023	198,793	107,240	63,223	77,250	
1966	81,812	57,986	28,611	19,701	23,846	275,956	195,319	96,982	66,596	
1967	83,521	58,144	28,737	18,865	25,377	272,964	189,976	84,372	61,929	
1968	93,183	65,745	34,172	19,402	27,437	268,451	203,456	103,280	59,942	
1969	100,464	72,671	37,214	22,530	27,793	291,289	210,743	108,935	64,348	
1970	101,281	73,374	35,863	22,770	27,908	277,618	202,969	102,285	60,951	
1971	117,904	88,205	46,514	23,872	29,699	302,793	229,096	130,477	73,699	
1972	133,887	103,857	60,693	24,028	30,030	323,535	253,192	152,582	59,959	
1973	147,388	115,020	65,095	29,949	32,348	327,299	257,106	146,976	63,808	
1974	148,395	110,282	56,598	31,325	38,132	286,507	218,117	117,935	58,274	
1975	143,570	102,917	51,889	27,545	40,653	254,653	186,873	99,131	49,037	
1976	161,271	122,382	68,590	27,028	38,889	274,284	211,078	123,083	46,198	
1977	187,011	149,088	92,465	29,693	37,943	294,340	236,110	149,064	47,114	
1978	224,674	179,030	110,428	37,560	45,644	314,363	251,889	155,716	53,610	
1979	250,295	201,503	117,226	49,505	48,792	309,855	251,319	145,419	62,877	
1980	249,033	184,019	101,149	55,431	55,013	278,440	219,680	113,839	63,833	
1981	257,763	204,414	100,045	64,695	53,349	265,852	211,867	102,967	67,758	
1982	244,412	193,570	85,390	69,355	50,842	244,446	189,527	85,378	69,325	
1983	279,242	228,527	126,554	65,675	50,715	271,997	221,736	123,104	53,234	
1984	327,208	271,975	165,147	81,147	55,234	307,952	255,015	146,091	74,884	
1985	355,571	292,782	158,817	95,317	62,760	324,877	268,019	146,323	85,551	

NA Not available.

Source: U.S. Bureau of the Census, *Construction Reports*, series C 30.

No. 1263. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1970 TO 1985

(In millions of dollars, except percent. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building services equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 66-69.)

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total	101,281	143,570	224,674	250,295	249,033	257,763	244,412	279,242	327,208	355,571
Average annual percent change ¹	5.2	7.2	-16.1	11.4	-5.5	3.5	-5.2	14.3	17.2	8.7
Private	73,374	102,917	179,030	201,503	194,019	204,414	193,570	228,527	271,975	292,792
Percent of total	72.4	71.7	79.7	80.5	77.9	79.3	79.2	81.8	83.1	82.3
Residential buildings ²	35,863	51,889	110,428	117,226	101,149	100,045	85,390	126,654	155,147	158,817
New housing units	27,059	36,625	86,191	90,054	70,397	70,228	57,715	95,682	115,124	115,974
1 unit	17,541	29,639	72,769	72,257	52,921	51,965	41,482	72,203	85,605	86,123
2 or more units	9,518	6,986	13,422	17,798	17,478	18,283	16,253	23,479	29,519	29,851
Improvements	8,804	15,264	24,237	27,172	30,752	29,817	27,675	30,872	40,023	42,843
Nonresidential buildings ³	22,770	27,545	37,560	49,505	55,431	64,695	69,355	65,675	81,147	95,317
Industrial	6,537	8,018	10,994	14,950	13,897	17,080	17,343	12,961	13,745	15,769
Office	4	4,973	6,574	9,481	13,318	17,473	23,049	20,768	25,940	31,580
Hotels, motels	1,307	1,072	1,172	2,150	2,930	3,716	4,101	5,185	6,751	7,301
Other commercial	4,973	7,853	11,991	15,463	16,627	16,775	14,235	15,025	22,167	28,048
Religious	929	867	1,248	1,548	1,637	1,665	1,543	1,780	2,132	2,409
Educational	915	634	824	863	1,243	1,331	1,475	1,593	1,660	1,896
Hospital and institutional	2,529	3,209	3,347	3,530	4,046	4,907	5,875	6,559	6,297	5,583
Miscellaneous	800	939	1,410	1,540	1,794	1,798	1,733	1,905	2,455	2,729
Farm nonresidential	1,875	3,731	5,209	5,588	5,274	4,612	3,692	3,255	2,860	2,381
Public utilities	11,920	18,684	24,549	27,732	30,915	33,795	33,864	31,579	30,915	33,551
Telephone and telegraph	2,968	3,683	5,418	6,343	6,733	7,074	7,110	6,471	7,174	7,484
Other public utilities	8,952	15,001	19,131	21,389	24,181	26,721	26,754	25,108	23,741	26,067
Railroads	561	949	2,197	2,195	2,319	2,260	2,595	2,851	3,513	3,756
Electric light, power ⁴	5,807	9,888	13,154	14,621	16,048	17,774	18,313	17,936	15,654	16,473
Gas	2,299	2,220	3,246	3,982	5,006	5,945	5,469	3,764	4,303	5,566
Petroleum pipelines	284	1,944	534	591	808	742	377	457	271	272
All other private	946	1,068	1,283	1,452	1,250	1,268	1,269	1,464	1,905	2,725
Public	27,908	40,653	45,644	48,792	55,013	53,349	50,842	50,715	55,234	62,780
Percent of total	27.6	28.3	20.3	19.5	22.1	20.7	20.8	18.2	16.9	17.7
Buildings	10,473	15,243	14,989	15,558	18,517	17,792	16,997	17,276	17,883	20,172
Housing, redevelopment	1,108	754	1,053	1,211	1,648	1,722	1,658	1,700	1,636	1,511
Industrial	316	687	832	1,112	1,441	1,655	1,632	1,809	1,828	1,968
Educational	5,619	7,760	8,284	6,903	8,050	6,737	5,927	5,374	5,557	6,709
Hospital	838	1,745	1,822	1,648	1,785	2,083	1,891	2,098	2,039	2,017
Other	2,594	4,296	4,919	4,684	5,593	5,595	5,789	6,295	6,822	7,987
Highways and streets	9,982	10,854	10,706	11,997	13,770	13,599	13,292	14,143	16,341	19,988
Military facilities	717	1,389	1,502	1,647	1,880	1,984	2,205	2,544	2,839	3,283
Conservation, redevelopment	1,907	3,257	4,457	4,587	5,090	5,300	5,027	4,820	4,654	4,954
Sewer systems	1,543	4,801	6,765	7,298	7,171	5,935	5,529	5,260	6,241	7,198
Water supply facilities	1,093	1,765	2,661	2,490	3,268	3,004	2,902	2,083	2,621	2,684
Miscellaneous	2,192	3,345	4,563	5,215	5,318	5,754	4,889	4,590	4,854	4,512
Public ownership:										
State and local government	24,798	34,666	37,497	40,227	45,372	42,935	40,834	40,158	43,994	50,416
Buildings	9,753	13,580	12,764	13,215	15,699	14,641	14,012	13,886	14,088	15,900
Highways and streets	9,728	10,547	10,285	11,468	13,314	12,848	12,774	13,675	15,825	19,420
Conservation, development	540	818	597	673	821	896	908	820	727	935
Other	4,777	9,821	13,851	14,872	15,538	14,550	13,139	11,777	13,354	14,160
Federal government	3,110	6,088	8,146	8,564	9,641	10,413	10,008	10,557	11,240	12,364
Conservation, development	1,367	2,638	3,860	3,915	4,270	4,404	4,119	4,000	3,927	4,019
Buildings	720	1,663	2,225	2,343	2,818	3,161	2,986	3,390	3,796	4,272
Military facilities .....	.717	1,399	1,502	1,647	1,880	1,984	2,205	2,544	2,839	3,283
Misc. (incl. highways and streets)	305	397	559	659	673	894	699	624	678	780

¹ Change from prior year shown; for 1970, change from 1965. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Includes farm residential. ³ Excludes building by privately owned public utilities. ⁴ Office buildings included in "other commercial." ⁵ Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

Construction and Housing

NO. 1264. VALUE OF NEW CONSTRUCTION PUT IN PLACE IN CONSTANT (1982) DOLLARS:
1970 TO 1985

[In millions of dollars, except percent. For details on derivation of constant values and description of revised series, see source.
For description of nature of revisions and deflators used, see *Construction Reports*, series C30-80S]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Total	277,618	254,653	314,363	309,855	278,440	265,852	244,446	271,997	307,952	324,077
Average annual percent change ¹ .....	.1	-1.7	7.3	-1.4	-10.1	-4.5	8.1	11.3	13.2	5.5
Private	202,988	186,673	251,889	251,319	219,680	211,887	193,527	221,738	255,015	268,019
Percent of total	73.1	73.4	80.1	81.1	78.9	79.7	79.2	81.5	82.8	82.5
Residential buildings ²	102,285	99,131	155,718	145,419	113,839	102,967	85,378	123,104	146,091	146,323
New housing units	77,218	69,967	121,508	111,713	79,245	72,324	57,705	93,087	108,441	106,667
1 unit	50,047	56,571	102,574	89,658	59,537	53,511	41,454	70,211	80,619	79,352
2 or more units	27,172	13,398	18,935	22,055	19,708	18,812	16,250	22,856	27,822	27,515
Improvements	25,067	29,164	34,208	33,707	34,594	30,643	27,673	30,037	37,650	39,456
Nonresidential buildings ³	60,951	49,037	53,610	62,877	63,833	67,758	69,326	63,234	74,884	85,551
Industrial	17,493	14,272	15,659	19,028	15,948	17,823	17,341	12,395	12,685	14,154
Office	(*)	8,857	9,384	12,006	15,323	18,291	23,035	20,000	23,937	28,348
Hotels, motels	3,502	1,909	1,678	2,724	3,373	3,891	4,099	4,890	6,235	6,554
Other commercial	26,104	13,943	17,117	19,807	19,153	17,581	14,232	14,452	20,442	25,169
Religious	2,488	1,543	1,779	1,968	1,884	1,746	1,541	1,712	1,968	2,161
Educational	2,450	1,128	1,177	1,095	1,428	1,397	1,474	1,534	1,532	1,701
Hospital, institutional	6,771	5,714	4,799	4,498	4,856	5,141	5,871	6,318	5,819	5,014
Miscellaneous	2,142	1,671	2,016	1,954	2,068	1,888	1,732	1,833	2,266	2,450
Farm nonresidential	5,020	6,640	7,453	7,110	6,087	4,830	3,891	3,131	2,640	2,137
Public utilities	32,193	30,361	33,379	34,233	34,568	35,054	33,863	30,796	29,542	31,509
Telephone, telegraph	7,324	6,064	7,450	7,882	7,604	7,419	7,113	6,257	8,815	7,050
Other public utilities	24,869	24,297	25,929	26,350	27,064	27,635	26,750	24,538	22,724	24,460
Railroads	1,499	1,513	2,933	2,538	2,350	2,241	2,598	2,963	3,431	3,441
Electric light, power ³	15,323	16,242	16,034	18,240	18,321	18,628	18,308	17,393	14,848	15,423
Gas	6,273	3,516	4,269	4,853	5,505	6,013	5,469	3,731	4,182	5,335
Petroleum pipelines	774	3,027	694	720	888	753	377	452	268	261
All other private	2,519	1,704	1,732	1,600	1,273	1,257	1,270	1,471	1,858	2,499
Public	74,850	67,780	62,474	58,536	58,760	53,986	50,919	50,261	52,938	56,857
Percent of total	26.9	26.6	19.9	18.9	26.7	20.3	20.8	18.5	17.2	17.5
Buildings	28,230	27,226	21,412	19,761	21,259	18,627	16,989	16,657	18,540	18,140
Housing, redevelopment	3,153	1,441	1,479	1,503	1,854	1,774	1,658	1,657	1,542	1,394
Industrial	845	1,224	1,335	1,418	1,680	1,738	1,631	1,743	1,688	1,768
Educational	15,043	13,810	8,946	8,778	9,255	7,067	5,924	5,176	5,129	6,018
Hospital	2,247	3,107	2,615	2,100	2,053	2,184	1,991	2,020	1,994	1,811
Other	6,943	7,643	7,036	5,962	6,438	5,663	5,785	6,061	6,297	7,150
Highways and streets	26,356	16,613	13,737	12,801	12,625	12,879	13,377	14,418	15,974	17,454
Military facilities	1,906	2,281	2,054	1,921	1,924	1,953	2,206	2,518	2,598	2,816
Conservation, development	5,153	5,429	6,192	5,771	5,771	5,536	5,026	4,780	4,541	4,754
Sewer systems	4,167	8,024	9,382	9,164	8,129	6,192	5,524	5,212	6,086	6,903
Water supply facilities	2,973	2,872	3,587	3,079	3,652	3,092	2,902	2,065	2,551	2,556
Miscellaneous	5,864	5,335	6,110	6,039	5,400	5,708	4,893	4,612	4,548	4,136

¹ Change from prior year shown; for 1970, change from 1965. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Includes farm residential. ³ Excludes building by privately owned public utilities. ⁴ Office buildings included in "Other Commercial." ⁵ Includes construction with Rural Electrification Administration (REA) funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

NO. 1265. VALUE OF PRIVATELY OWNED NONRESIDENTIAL BUILDING PROJECTS, BY CONSTRUCTION STATUS, 1975 TO 1985, AND BY TYPE OF PROJECT, 1985

[In billions of dollars. Beginning 1983, includes hotel and motel projects]

CONSTRUCTION STATUS	1975	1978	1979	1980	1981	1982	1983	1984	1985				
									Total	Indus- trial	Offic- e build- ing	Other com- mercial	Other
Value of projects—													
Started	20.1	33.7	49.0	48.3	65.8	65.5	63.3	84.7	90.8	13.2	29.0	28.6	20.0
Completed	28.0	31.7	40.1	48.4	52.7	56.3	60.3	66.2	82.8	14.8	25.4	24.0	18.7
Under construction at year end	41.9	55.2	68.3	73.5	92.6	97.8	110.5	129.5	142.2	27.0	54.1	26.7	34.4

¹ Privately owned hotels and motels, religious, educational, hospital and institutional, and miscellaneous nonresidential building projects.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

Construction Contracts

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NO. 1266. CONSTRUCTION CONTRACTS—VALUE OF CONSTRUCTION, AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1975 TO 1985

(Includes new structures and additions, and major alterations to existing structures which affect only valuation, since no additional floor area is created by "alteration." See also *Historical Statistics, Colonial Times to 1970*, series N 78-100.)

YEAR	Total	Residential buildings	NONRESIDENTIAL BUILDINGS								Non-building construction
			Total	Commercial ¹	Manufacturing	Educational ²	Hospital	Public buildings	R eligious	Social and recreational ³	
VALUE (bil. dol.)											
1975.....	92.7	31.3	31.6	9.2	6.8	5.9	3.7	2.1	.8	3.1	29.8
1976.....	110.1	44.2	30.0	10.2	4.5	4.9	4.5	2.1	.9	3.0	35.0
1977.....	139.7	62.0	35.1	13.6	5.4	5.2	4.5	2.3	1.0	3.3	42.6
1978.....	159.9	74.9	45.0	20.6	9.2	5.7	3.8	1.5	1.2	3.0	39.3
1979.....	168.4	74.6	50.2	24.4	7.6	6.3	4.8	1.6	1.3	4.1	43.7
1980.....	148.4	63.7	52.5	24.8	5.4	6.8	5.3	1.6	1.2	4.4	32.2
1981.....	153.5	60.2	60.1	31.7	8.6	5.8	6.4	1.4	1.2	4.9	33.2
1982.....	156.2	58.2	58.6	28.2	9.5	6.1	7.8	1.9	1.2	4.8	37.4
1983.....	193.6	93.6	62.3	33.7	5.3	6.2	8.5	2.1	1.5	5.0	37.8
1984.....	211.5	101.4	74.3	42.1	7.3	7.7	7.2	2.7	1.7	5.7	35.8
1985.....	227.7	106.8	80.7	46.6	7.2	8.6	7.6	2.8	2.0	5.9	40.1
FLOOR SPACE (mil. sq. ft.)											
1975.....	2,390	1,441	949	409	146	152	63	46	28	105	(X)
1976.....	2,819	1,867	952	440	152	118	71	42	31	99	(X)
1977.....	3,536	2,440	1,098	564	175	112	66	43	32	105	(X)
1978.....	4,101	2,815	1,286	758	219	104	53	22	35	96	(X)
1979.....	3,905	2,528	1,377	816	243	102	57	20	34	106	(X)
1980.....	3,092	1,892	1,200	688	216	95	54	18	28	101	(X)
1981.....	2,797	1,620	1,177	733	187	74	60	14	25	85	(X)
1982.....	2,442	1,497	945	571	119	74	70	19	25	68	(X)
1983.....	3,379	2,349	1,029	647	110	74	83	20	29	66	(X)
1984.....	3,635	2,398	1,238	808	145	90	70	23	29	71	(X)
1985.....	3,731	2,364	1,367	815	149	98	71	25	33	76	(X)

X Not applicable.

¹ Includes nonindustrial warehouses.

² Includes science.

³ Includes miscellaneous.

NO. 1267. CONSTRUCTION CONTRACTS—VALUE, BY STATE: 1980 TO 1985

[In millions of dollars. See headnote, table 1266. Represents value of construction in States in which work was actually done]

STATE	1980	1983	1984	1985			STATE	1980	1983	1984	1985		
				Total (incl. non-bldg.)	Residential	Non-residential					Total (incl. non-bldg.)	Residential	Non-residential
U.S.	148,393	193,602	211,480	227,650	106,771	80,750	MO	2,613	3,417	3,769	3,822	1,657	1,417
AL.....	1,918	2,784	3,026	2,831	1,201	1,063	MT.....	395	649	721	709	286	164
AK.....	706	1,984	1,804	1,523	473	591	NE.....	830	987	1,140	1,040	374	419
AZ.....	3,137	5,339	6,008	6,507	3,684	1,939	NV.....	1,167	1,449	1,331	1,570	891	431
AR.....	1,324	1,540	1,697	1,642	769	459	NH.....	477	833	1,040	1,332	818	369
CA.....	17,688	22,643	27,408	30,864	16,326	11,008	NJ.....	3,790	5,621	6,427	8,077	4,220	2,626
CO.....	2,791	4,757	4,777	4,619	2,162	1,693	NM.....	1,371	2,040	1,786	1,725	793	545
CT.....	1,440	2,280	2,764	3,263	1,604	1,165	NY.....	5,860	8,169	9,475	11,061	4,599	3,738
DE.....	305	472	512	726	311	249	NC.....	3,471	4,934	5,628	6,630	3,760	2,233
DC.....	510	688	792	964	135	555	ND.....	456	584	574	572	215	143
FL.....	12,847	14,304	16,926	17,605	10,035	5,520	OH.....	5,221	5,896	6,218	6,877	4,414	3,038
GA.....	3,939	5,887	6,801	7,470	3,952	2,620	OK.....	2,300	4,232	3,297	2,641	1,060	1,051
HI.....	1,215	708	867	871	450	289	OR.....	1,926	1,415	1,745	1,654	719	641
ID.....	635	545	618	777	311	302	PA.....	5,246	4,938	6,700	7,011	5,059	3,219
IL.....	5,313	6,058	7,074	7,367	2,707	2,983	RI.....	322	511	537	781	367	255
IN.....	2,775	3,188	3,458	4,071	1,623	1,712	SC.....	2,522	2,663	2,895	3,321	1,815	1,008
IA.....	1,540	1,530	1,658	1,552	442	535	SD.....	421	430	514	493	159	99
KS.....	1,887	1,957	2,329	2,185	916	756	TN.....	2,789	3,530	4,257	4,354	2,267	1,402
KY.....	2,185	2,623	2,459	2,870	1,160	1,007	TX.....	13,811	22,459	21,287	20,530	8,534	8,154
LA.....	3,270	4,321	4,321	3,862	1,420	1,387	UT.....	1,116	3,738	1,601	1,586	715	619
ME.....	538	625	695	778	463	176	VA.....	258	363	457	494	267	97
MD.....	3,062	4,287	4,734	5,632	2,830	1,845	WA.....	4,795	3,668	3,748	4,449	1,823	1,783
MA.....	2,712	3,820	4,729	5,473	2,600	2,079	WV.....	855	858	822	878	213	303
MI.....	4,174	3,490	4,699	5,646	2,281	2,393	WI.....	2,269	2,622	2,681	3,073	1,265	1,062
MN.....	2,746	4,183	3,760	4,272	2,024	1,381	WY.....	644	880	580	614	152	158
MS.....	1,561	1,600	1,740	1,515	451								

Source of tables 1266 and 1267: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY. Figures reported currently in *Dodge Construction Potentials*.

Construction and Housing

No. 1268. VALUE OF PRIVATE CONSTRUCTION AUTHORIZED BY BUILDING PERMITS: 1976 TO 1985

[In billions of dollars. "14,000, 16,000, and 17,000 places" series are based on U.S. total of approximately 14,000, 16,000, and 17,000 places identified in 1972, 1978, and 1984 respectively, with local building permit systems]

TYPE OF CONSTRUCTION	14,000 PLACES			16,000 PLACES						17,000 PLACES		
	1976	1977	1978	1978	1979	1980	1981	1982	1983	1984	1984	1985
	Total	64.2	82.9	98.6	101.6	107.4	102.1	103.7	98.5	127.5	153.4	155.0
Total...	35.5	50.0	55.4	58.9	56.3	47.2	41.9	40.5	69.3	76.7	77.7	84.9
Residential units...	29.0	40.0	43.2	46.3	42.6	33.1	28.7	27.4	49.1	53.5	54.3	59.5
In structures with—												
1 unit...	1.8	2.6	3.0	3.1	3.3	3.3	3.2	2.7	4.3	4.8	4.9	4.6
2-4 units...	4.7	7.4	9.3	9.6	10.4	10.8	10.0	10.4	15.8	18.3	18.4	20.8
5 units or more...	1.8	1.0	1.3	1.3	1.5	1.8	2.0	2.6	3.1	3.7	3.7	3.9
Nonhousekeeping residential buildings...	19.2	23.7	30.8	32.2	38.3	34.8	39.3	34.8	37.0	46.7	47.2	52.7
Nonresidential buildings...	3.9	5.5	7.4	7.8	9.3	8.0	7.9	6.1	5.8	9.1	9.2	9.5
Industrial buildings...	3.1	4.3	6.6	6.8	9.1	9.9	14.6	12.9	12.6	15.9	16.1	18.1
Office buildings...	4.3	5.7	7.3	7.6	9.0	6.7	6.2	5.5	7.4	9.8	9.9	12.0
Stores and other mercantile...	2.4	2.0	2.1	2.1	2.3	1.6	1.7	2.0	2.4	2.0	2.1	2.5
Hospitals and other institutional...	5.4	6.1	7.4	7.9	8.7	8.7	8.9	8.3	8.9	9.9	9.9	10.1
All other nonresidential...	7.7	8.2	9.1	9.2	11.2	18.5	20.5	20.6	23.5	26.3	26.4	29.0
Additions and alterations...												

Source: U.S. Bureau of the Census, In U.S. Department of Commerce, International Trade Administration, *Construction Review*.

No. 1269. NEW PRIVATELY OWNED HOUSING UNITS AUTHORIZED BY STATE: 1984 AND 1985

[Based on about 17,000 places in U.S. having building permit systems]

STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)		STATE	HOUSING UNITS (1,000)			VALUATION (mil. dol.)			
	1984, total	1985		1984, total	1985		1984, total	1985		1984, total	1985		
		Total	1 unit					Total	1 unit				
U.S.	1,681.8	1,733.3	956.6	77,661	84,904	59,493	MO.....	24.8	27.2	13.7	1,018	1,181	791
AL....	15.3	17.2	9.8	468	537	387	MT.....	2.8	2.0	1.0	129	87	54
AK....	6.5	4.0	2.2	484	319	215	NE.....	5.8	5.0	3.3	254	221	185
AZ....	79.2	71.8	32.7	3,138	3,119	2,094	NV.....	13.7	14.0	7.4	589	594	414
AR....	9.7	9.9	5.2	354	388	270	NH.....	11.1	17.8	10.5	510	892	684
CA....	224.7	271.4	113.6	13,936	16,188	9,610	NJ.....	43.8	55.0	39.2	2,321	3,130	2,400
CO....	44.3	32.8	20.1	1,980	1,570	1,197	NN.....	16.5	11.8	7.2	684	567	457
CT....	17.8	24.5	16.8	956	1,289	1,043	NY.....	44.7	61.9	34.3	2,424	3,573	2,116
DE....	4.4	4.6	3.3	178	202	155	NC.....	62.7	70.7	41.7	2,505	2,964	2,228
DC....	.4	.6	.2	31	24	24	ND.....	3.2	2.6	.9	131	102	56
FL....	204.9	202.6	104.6	8,180	8,484	5,436	OH.....	29.6	33.0	18.2	1,517	1,724	1,309
GA....	70.3	73.1	45.9	2,897	3,130	2,443	OK.....	22.9	10.7	7.0	959	502	414
HI....	5.4	7.3	4.6	324	489	347	OR.....	8.0	11.3	6.4	453	590	453
ID....	4.3	4.3	3.0	225	217	178	PA.....	39.4	43.6	34.6	1,782	2,184	1,885
IL....	30.2	38.7	20.5	1,717	2,238	1,593	RI.....	4.2	5.4	4.0	171	241	203
IN....	18.9	23.0	12.7	905	1,100	819	SC.....	85.9	92.8	18.7	1,415	1,360	952
IA....	7.0	5.2	2.8	295	242	165	SD.....	3.2	2.5	1.4	110	91	63
KS....	16.7	13.3	6.0	717	609	424	TN.....	36.8	38.1	17.3	1,273	1,515	951
KY....	13.0	13.8	6.3	483	523	359	TX.....	195.4	143.1	69.3	8,640	6,720	4,923
LA....	28.1	18.8	11.1	1,099	804	599	UT.....	19.7	16.5	9.8	827	741	559
ME....	6.6	8.1	5.7	276	382	296	VA.....	60.2	64.1	46.8	2,588	2,980	2,494
MD....	38.6	42.1	34.3	1,803	1,919	1,582	WA.....	30.4	35.5	17.0	1,556	1,794	1,210
MA....	29.3	39.2	25.6	1,628	2,342	1,767	WV.....	2.1	1.5	1.1	76	58	50
MI....	27.7	37.6	21.8	1,324	1,829	1,347	WI.....	17.8	20.2	10.9	802	917	632
MN....	26.7	28.6	16.4	1,456	1,651	1,187	WY.....	1.6	1.2	.8	71	52	44
MS....	11.5	8.8	5.9	417	352	28 ¹							

Source: U.S. Bureau of the Census, *Construction Reports*, series C40, annual.

No. 1270. NEW HOUSING UNITS STARTED: 1960 TO 1986

[Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 156-159]

YEAR	Total (1,000)	Per- cent change	PRIVATELY OWNED (1,000)		YEAR	Total (1,000)	Per- cent change	PRIVATELY OWNED (1,000)		Pub- lly owned (1,000)	
			Total	1-unit structures				Total	1-unit structures		
1960	1,298	-16.6	1,252	995	44	1976	1,548	32.2	1,529	1,182	10
1965	1,510	-3.3	1,473	984	37	1977	2,002	29.3	1,987	1,451	15
1966	1,198	-20.8	1,165	779	31	1978	2,036	1.7	2,020	1,493	16
1967	1,322	10.5	1,292	844	30	1979	1,760	-13.6	1,745	1,194	15
1968	1,545	16.9	1,508	889	38	1980	1,313	-25.4	1,292	852	20
1969	1,500	-2.9	1,467	811	33	1981	1,100	-16.2	1,084	708	16
1970	1,469	-2.1	1,434	813	35	1982	1,072	-2.6	1,062	663	10
1971	2,085	41.9	2,052	1,151	32	1983	1,712	59.7	1,703	1,088	9
1972	2,379	14.1	2,357	1,309	22	1984	1,756	2.6	1,750	1,084	8
1973	2,057	-13.5	2,045	1,132	12	1985, Jan.-July ³	1,745	-6	1,742	1,072	3
1974	1,853	-34.2	1,336	888	15	1986, Jan.-July ³	(NA)	(NA)	1,741	1,082	(NA)
1975	1,171	-13.4	1,160	892	11	(NA)	(NA)	(NA)	1,934	1,236	(NA)

¹ Not available.

² Change from 1959.

³ Change from 1964.

⁴ Average seasonally adjusted annual rate.

* Preliminary.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

Private Housing Starts

705

NO. 1271. NEW PRIVATELY-OWNED HOUSING UNITS STARTED—SELECTED CHARACTERISTICS: 1970 TO 1985

[In thousands. For composition of regions, see fig. I, Inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 156-163 and 170]

YEAR	Total units ¹	STRUCTURES WITH—			REGION				CONDOMINIUM UNITS ²			TYPE OF ASSISTANCE ³	
		One unit	2-4 units	5 or more units	North-east	Mid-west	South	West	Total	Single-family	Multi-family	FHA	VA
1970.....	1,434	813	85	536	218	294	612	311	(NA)	(NA)	(NA)	421	61
1971.....	2,052	1,151	120	781	264	434	869	486	(NA)	(NA)	(NA)	528	94
1972.....	2,357	1,309	141	906	330	443	1,057	527	(NA)	(NA)	(NA)	371	104
1973.....	2,045	1,132	118	795	277	440	899	429	241	69	172	163	86
1974.....	1,338	888	68	382	183	317	553	285	175	46	130	95	73
1975.....	1,160	892	64	204	149	294	442	275	65	20	45	98	77
1976.....	1,538	1,162	86	289	189	400	560	400	95	30	64	144	100
1977.....	1,987	1,451	122	414	202	465	783	538	118	41	77	178	131
1978.....	2,020	1,433	125	462	200	451	824	545	156	42	114	178	127
1979.....	1,745	1,194	122	429	178	349	748	471	198	43	156	178	122
1980.....	1,292	852	110	331	125	218	643	306	186	35	150	177	95
1981.....	1,084	705	91	288	117	165	562	240	181	36	145	145	75
1982.....	1,062	663	80	320	117	149	591	205	170	40	130	152	73
1983.....	1,703	1,068	113	522	168	218	935	382	276	77	199	121	107
1984.....	1,750	1,084	121	544	204	243	866	436	291	96	194	63	97
1985.....	1,742	1,072	93	576	252	240	782	468	225	79	146	(NA)	

NA Not available. ¹ For 1970-1976, characteristics such as type of structure, and region, include data for publicly owned units. ² Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of the building or community, includes a small number of cooperatively-owned units. ³ Source: U.S. Department of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook*; thereafter unpublished data.

Source: Except as noted, U.S. Bureau of the Census, *Construction Reports*, series C20.

No. 1272. NEW PRIVATELY-OWNED HOUSING UNITS STARTED, BY STATE: 1982 TO 1985

[In thousands of units]

REGION, DIVISION AND STATE	1982	1983	1984	1985, prel.	REGION, DIVISION AND STATE	1982	1983	1984	1985, prel.
United States.....	1,062.0	1,702.9	1,749.9	1,736.3	South Atlantic—Con.				
Region:					Maryland.....	20.3	36.0	36.9	39.1
Northeast.....	117.0	167.8	203.7	250.7	District of Columbia.....	.3	.3	.4	.3
Midwest.....	148.0	218.1	244.7	239.5	Virginia.....	29.9	53.8	62.8	58.9
South.....	591.2	934.8	866.0	781.0	West Virginia.....	2.2	2.5	2.8	2.0
West.....	205.8	382.2	435.5	465.1	North Carolina.....	32.8	53.6	62.7	71.6
New England.....	42.3	59.0	76.4	92.3	South Carolina.....	17.9	28.3	33.1	32.2
Maine.....	4.4	4.6	6.8	9.2	Georgia.....	42.5	72.2	80.0	80.7
New Hampshire.....	5.6	7.9	12.5	15.3	Florida.....	100.1	180.4	196.7	185.9
Vermont.....	2.9	5.1	7.4	5.0	South Atlantic—Con.				
Massachusetts.....	16.0	22.4	26.5	35.5	Kentucky.....	40.1	84.0	92.1	100.7
Rhode Island.....	2.8	3.7	4.4	4.9	Tennessee.....	8.4	14.9	15.7	17.9
Connecticut.....	10.6	15.3	18.8	22.4	Alabama.....	15.8	37.5	42.4	46.4
Middle Atlantic.....	74.8	108.8	127.3	158.4	Mississippi.....	9.0	18.9	20.1	24.1
New York.....	27.1	36.2	43.4	60.0	East South Central.....	302.3	420.4	294.1	205.5
New Jersey.....	21.7	36.7	43.7	51.1	Arkansas.....	6.7	12.5	12.7	13.8
Pennsylvania.....	26.0	35.9	40.2	47.3	Louisiana.....	22.4	40.2	30.8	21.5
East North Central.....	82.9	127.3	141.4	149.2	Oklahoma.....	34.8	50.2	28.5	14.7
Ohio.....	19.9	31.6	33.5	34.8	Texas.....	238.4	317.5	222.1	155.5
Indiana.....	14.0	20.2	23.5	22.8	Mountain.....	91.7	161.3	172.0	156.8
Illinois.....	20.2	34.2	35.0	37.8	Montana.....	1.8	2.6	3.4	3.1
Michigan.....	14.9	23.4	30.1	34.9	Idaho.....	2.3	4.1	4.3	5.0
Wisconsin.....	13.9	17.9	19.3	18.9	Wyoming.....	2.8	2.8	2.0	1.7
West North Central.....	65.1	90.7	103.3	90.3	Colorado.....	29.3	50.0	41.9	34.8
Minnesota.....	21.7	28.2	30.4	28.5	New Mexico.....	7.9	11.1	16.2	12.2
Iowa.....	8.9	7.9	7.7	5.8	Arizona.....	33.3	62.6	73.1	70.5
Missouri.....	15.2	22.5	30.8	31.2	Utah.....	6.8	13.0	18.2	15.8
North Dakota.....	4.0	5.5	3.9	3.1	Nevada.....	7.5	15.1	12.9	13.7
South Dakota.....	1.9	3.1	4.5	2.5	Pacific.....	114.2	221.0	263.7	308.3
Nebraska.....	4.6	6.7	7.1	5.4	Washington.....	15.7	27.6	29.4	34.0
Kansas.....	10.8	16.8	18.9	13.8	Oregon.....	7.0	8.9	8.6	10.3
South Atlantic.....	248.8	430.5	479.7	474.8	California.....	77.9	166.5	212.9	251.5
Delaware.....	2.8	3.4	4.3	4.1	Alaska.....	8.6	12.7	7.5	5.9
					Hawaii.....	5.0	5.3	5.3	6.6

Source: National Association of Home Builders, Economics Division, Washington, DC. Data provided from the Econometric Forecasting Service.

**No. 1273. CHARACTERISTICS OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES COMPLETED:
1970 TO 1985**

[Percent distribution, except as indicated. Data beginning 1980 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported]

CHARACTERISTIC	1970	1980	1983	1984	1985	CHARACTERISTIC	1970	1980	1983	1984	1985
Total houses (1,000).....	793	957	924	1,025	1,072	Bedrooms.....	100	100	100	100	100
Financing.....	100	100	100	100	100	2 or less.....	13	17	24	24	25
Mortgage.....	64	81	81	81	81	3.....	63	63	59	58	57
FHA-insured.....	30	16	20	13	15	4 or more.....	24	20	18	18	18
VA-guaranteed.....	7	8	9	6	7	Bathrooms.....	100	100	100	100	100
Conventional.....	55	50	61	57	2.....	32	18	18	14	13	
Farmers Home Administration.....	47	3	2	2	3	1 1/2.....	20	10	10	10	11
Cash or equivalent.....	16	18	19	19	19	2 1/2 or more.....	16	25	24	28	29
Floor area.....	100	100	100	100	100	Heating fuel.....	100	100	100	100	100
Under 1,200 sq. ft.....	36	21	22	19	20	Electricity.....	28	50	49	48	44
1,200-1,599 sq. ft.....	28	29	31	30	Gas.....	62	41	43	45	49	
1,600-1,999 sq. ft.....	16	22	21	21	Oil.....	8	3	2	2	3	
2,000-2,399 sq. ft.....	21	13	12	12	Other.....	1	5	6	5	4	
2,400 sq. ft. and over.....	15	15	17	17	Heating system.....	100	100	100	100	100	
Average (sq. ft.).....	1,500	1,740	1,780	1,700	1,785	Warm air furnace.....	71	57	55	55	54
Median (sq. ft.).....	1,385	1,595	1,565	1,605	1,605	Electric heat pump.....	(NA)	24	23	30	30
Number of stories.....	100	100	100	100	100	Other.....	29	19	16	15	15
1.....	74	60	58	54	52	Central air-conditioning.....	100	100	100	100	100
2 or more.....	17	31	36	40	42	With.....	34	63	70	71	70
Split level.....	10	8	6	6	6	Without.....	66	37	30	29	30
Foundation.....	100	100	100	100	100	Fireplaces.....	100	100	100	100	100
Full or partial basement.....	37	36	32	32	35	None.....	65	43	43	41	41
Slab.....	36	45	51	50	48	1 or more.....	35	56	57	59	59
Crawl space.....	27	19	17	18	18	Parking facilities.....	100	100	100	100	100

NA Not available.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing* (a joint publication).

**No. 1274. NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY REGION AND TYPE OF FINANCING
1970 TO 1985, AND BY SALES PRICE GROUP, 1985**

[In thousands. Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see fig. I, inside front cover]

YEAR AND SALES-PRICE GROUP	Total sales	REGION				FINANCING TYPE			
		North-east	Mid-west	South	West	Conventional	FHA and VA	Farmers Home Administration	Cash
1970.....	485	61	100	203	121	1 213	244	(1)	27
1971.....	656	82	127	270	176	1 314	314	(1)	28
1972.....	718	96	130	305	187	1 447	242	(1)	30
1973.....	634	95	120	257	161	1 465	134	(1)	34
1974.....	519	69	103	207	139	1 978	112	(1)	28
1975.....	549	71	105	222	150	363	122	43	22
1976.....	646	72	128	247	199	458	134	23	31
1977.....	819	86	162	317	255	592	166	24	38
1978.....	817	78	145	331	262	575	174	26	43
1979.....	703	67	112	304	225	469	186	18	36
1980.....	545	60	81	267	145	302	198	14	32
1981.....	436	46	60	219	112	244	142	14	36
1982.....	412	47	46	219	99	193	173	11	34
1983.....	623	76	71	323	152	350	217	8	49
1984.....	639	94	76	309	160	423	149	9	58
1985 total	688	112	82	323	170	403	208	11	64
Under \$50,000.....	51	(B)	9	36	4	22	15	9	5
\$50,000 to \$59,999.....	67	3	11	44	9	34	27	(B)	4
\$60,000 to \$69,999.....	96	11	11	57	17	46	41	(B)	9
\$70,000 to \$79,999.....	97	14	10	48	25	44	43	(B)	9
\$80,000 to \$89,999.....	141	24	15	57	44	68	59	(B)	14
\$100,000 to \$119,999.....	68	16	7	25	20	48	13	(B)	8
\$120,000 to \$149,999.....	73	17	8	25	24	60	7	(B)	6
\$150,000 and over.....	94	25	11	30	28	81	(B)	(B)	10

B Base figure too small to meet statistical standards for reliability. ¹ Houses financed by Farmers Home Administration included under conventional financing.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

Median Sales Price—Mobile Homes

707

NO. 1275. MEDIAN SALES PRICE OF NEW PRIVATELY OWNED ONE-FAMILY HOUSES SOLD, BY REGION: 1965 TO 1985

[In dollars. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, Inside front cover]

YEAR	U.S.	North-east	Mid-West	South	West	YEAR	U.S.	North-east	Mid-West	South	West
1965	20,000	21,500	21,600	17,500	21,600	1975	39,300	44,000	39,600	37,300	40,600
1966	21,400	23,500	23,200	18,200	23,200	1976	44,200	47,300	44,800	40,500	47,200
1967	22,700	25,400	25,100	19,400	24,100	1977	48,800	51,600	51,500	45,100	53,500
1968	24,700	27,700	27,400	21,500	25,100	1978	55,700	58,100	59,200	50,300	61,300
1969	25,600	31,600	27,600	22,800	25,300	1979	62,900	65,500	63,900	57,300	69,600
1970	23,400	30,300	24,400	20,300	24,000	1980	64,600	69,500	63,400	59,600	72,300
1971	25,200	30,600	27,200	22,500	25,500	1981	68,900	70,000	65,900	64,400	77,800
1972	27,600	31,400	29,300	25,800	27,500	1982	69,300	78,200	68,900	68,100	75,000
1973	32,500	37,100	32,900	30,900	32,400	1983	75,300	82,200	79,500	70,900	80,100
1974	35,900	40,100	36,100	34,500	35,800	1984	79,900	88,600	85,400	72,000	87,300
						1985 ¹	84,300	103,300	80,300	75,000	92,600

¹ 1986, U.S. total: 1st qtr., \$88,000, 2d qtr., \$91,800.

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold and For Sale*, monthly.

NO. 1276. NEW MOBILE HOMES PLACED FOR RESIDENTIAL USE AND AVERAGE SALES PRICE, BY REGION: 1974 TO 1985

[A mobile home is a moveable dwelling, 10 feet or more wide and 35 feet or more long, designed to be towed on its own chassis and without need of a permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Data are based on a probability sample and subject to sampling variability; see source. For composition of regions, see fig. I, Inside front cover.]

YEAR	UNITS PLACED (1,000)					AVERAGE SALES PRICE (\$1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1974	332.0	23.3	67.5	170.8	70.4	9.3	9.4	9.3	8.3	11.6
1975	229.3	14.7	48.5	110.8	55.2	10.6	10.5	10.7	9.0	13.6
1976	249.6	16.8	51.5	114.8	66.5	12.3	11.6	11.6	10.6	16.0
1977	257.5	16.7	50.7	112.5	77.7	14.2	12.9	13.5	12.1	18.1
1978	279.9	17.4	49.5	135.3	77.7	15.9	14.3	15.1	13.7	20.8
1979	279.9	16.9	47.3	145.2	70.5	17.8	15.8	16.1	15.6	23.1
1980	233.7	12.3	32.3	140.3	48.7	19.8	18.5	18.6	18.2	25.4
1981	229.2	12.0	30.1	143.5	43.6	19.9	19.0	18.9	18.4	25.6
1982	234.1	12.4	25.6	161.1	35.0	19.7	19.8	20.0	18.5	24.7
1983	278.1	16.3	34.3	186.0	41.4	21.0	21.4	20.4	19.7	27.0
1984	287.9	19.8	35.2	193.4	39.4	21.5	22.2	21.1	20.2	27.4
1985	283.4	20.2	38.6	187.8	36.9	21.8	22.7	21.5	20.4	26.7

Source: U.S. Bureau of the Census, *Construction Reports*, series C20.

NO. 1277. EXISTING ONE-FAMILY HOUSES SOLD AND PRICE, BY REGION: 1970 TO 1985

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, Inside front cover.]

YEAR	HOUSES SOLD (1,000)					MEDIAN SALES PRICE (\$1,000)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1970	1,612	251	501	568	292	23.0	25.2	20.1	22.2	24.3
1971	2,016	311	583	735	389	24.8	27.1	22.1	24.3	26.5
1972	2,252	361	630	788	473	26.7	29.8	23.9	26.4	28.4
1973	2,334	367	674	847	446	28.9	32.8	25.3	29.0	31.0
1974	2,272	354	645	839	434	32.0	35.8	27.7	32.9	34.8
1975	2,476	370	701	862	543	35.3	39.3	30.1	34.8	39.6
1976	3,064	439	881	1,033	712	38.1	41.8	32.9	36.5	46.1
1977	3,650	515	1,101	1,231	803	42.9	44.4	36.7	39.8	57.3
1978	3,986	516	1,144	1,416	911	48.7	47.9	42.2	45.1	66.7
1979	3,827	526	1,061	1,353	887	55.7	53.6	47.8	51.3	77.4
1980	2,973	403	806	1,092	672	62.2	60.8	51.9	58.3	89.3
1981	2,419	353	632	917	516	66.4	63.7	54.3	64.4	96.2
1982	1,990	354	490	780	366	67.8	63.5	55.1	67.1	98.9
1983	2,719	493	709	1,035	481	70.3	72.2	56.8	68.2	94.9
1984	2,868	511	755	1,073	529	72.4	78.7	57.1	71.3	95.8
1985	3,214	622	866	1,172	554	75.5	88.9	58.9	75.2	95.4

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

Construction and Housing

No. 1278. MEDIAN SALES PRICE OF EXISTING ONE-FAMILY HOMES, BY SELECTED METROPOLITAN AREA: 1982 TO 1985

[In thousands of dollars. Areas are metropolitan statistical areas (MSA's) except as indicated; for definitions and components, see Appendix II.]

METROPOLITAN AREA	1982	1983	1984	1985	METROPOLITAN AREA	1982	1983	1984	1985
U.S., all areas.....	67.6	70.3	72.4	75.5	Miami-Hialeah, FL PMSA.....	(NA)	(NA)	79.5	80.5
Albany-Schenectady-Troy, NY.....	47.1	49.4	52.9	60.3	Milwaukee, WI PMSA.....	65.8	68.0	68.2	67.5
Anaheim-Santa Ana, CA PMSA.....	133.0	134.9	133.7	135.2	Minneapolis-St. Paul, MN-WI.....	72.4	73.6	74.0	75.2
Atlanta, GA.....	55.3	63.0	66.2	(NA)	Nashville-Davidson, TN.....	(NA)	61.0	62.9	66.1
Baltimore, MD.....	62.0	(NA)	66.1	72.6	New York-Northern New Jersey-Long Island, NY-NJ-CT CMA.....	70.5	88.9	105.3	134.0
Birmingham, AL.....	60.6	62.8	65.1	64.5	Oklahoma City, OK.....	55.4	61.6	63.9	64.7
Boston, MA PMSA.....	80.2	82.6	100.0	134.2	Philadelphia, PA-NJ PMSA.....	62.9	64.5	65.2	70.8
Chicago, IL PMSA.....	73.0	76.4	79.5	81.1	Providence, RI PMSA.....	49.7	54.7	59.6	67.5
Cincinnati, OH-KY-IN PMSA.....	(NA)	57.2	58.9	60.2	Rochester, NY.....	49.5	54.8	59.7	64.2
Cleveland, OH PMSA.....	(NA)	(NA)	62.7	64.4	St. Louis, MO-IL.....	57.0	58.9	61.8	65.7
Dallas, TX PMSA.....	74.0	76.0	82.2	87.7	Salt Lake City-Ogden, UT.....	64.6	64.3	65.8	66.7
Denver, CO PMSA.....	76.2	78.3	82.7	84.3	San Antonio, TX.....	56.3	62.6	67.5	67.7
Detroit, MI PMSA.....	47.5	47.5	48.5	51.7	San Diego, CA.....	98.6	98.9	100.2	106.4
Ft. Lauderdale-Hollywood-Pompano Beach, FL PMSA.....	74.2	73.9	73.1	74.6	San Francisco-Oakland-San Jose, CA CMA.....	124.9	129.5	129.9	(NA)
Houston, TX PMSA.....	77.2	79.9	77.6	78.6	San Jose, CA PMSA.....	122.6	127.5	123.1	(NA)
Indianapolis, IN.....	50.6	52.8	53.1	55.0	Tampa-St. Petersburg-Clearwater, FL.....	53.9	55.9	58.4	58.4
Kansas City, MO-KS.....	58.1	58.8	59.1	61.4	Washington, DC-MD-VA.....	87.2	89.4	93.0	97.1
Los Angeles-Long Beach, CA PMSA.....	113.4	112.7	115.3	(NA)					
Louisville, KY-IN.....	46.0	47.4	48.9	50.6					
Memphis, TN-AR-MS.....	59.3	61.6	64.1	64.6					

NA Not available.

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

No. 1279. EXISTING HOME SALES, BY STATE: 1982 TO 1985

[In thousands]

REGION, DIVISION, AND STATE	1982	1983	1984	1985	DIVISION AND STATE	1982	1983	1984	1985
U.S. ¹	2,120.0	2,924.0	3,098.0	3,493.0	S.A.....	386.1	524.3	564.2	640.3
Region: ¹					DE.....	7.3	9.3	10.0	12.3
Northeast.....	399.3	573.5	609.4	756.3	MD.....	43.8	60.8	66.8	80.9
Midwest.....	519.7	756.9	805.6	917.1	DC.....	5.5	7.5	7.8	9.9
South.....	819.3	1,088.1	1,127.8	1,236.9	VA.....	71.3	103.1	98.1	107.2
West.....	436.9	611.6	660.2	703.6	WV.....	21.9	32.2	34.6	37.7
N.E.....	98.7	155.2	170.4	206.0	NC.....	70.0	93.0	103.2	123.3
ME.....	14.8	21.0	23.3	27.1	SC.....	30.2	39.7	46.0	52.6
NH.....	7.9	15.2	16.9	19.3	GA.....	35.8	51.0	60.1	65.1
VT.....	6.0	7.4	8.2	9.9	FL.....	100.3	127.7	137.6	151.3
MA.....	42.5	65.0	68.5	80.5	E.S.C.....	138.6	202.0	221.3	252.1
RI.....	6.2	8.8	11.0	13.2	KY.....	37.1	56.5	57.3	57.7
CT.....	21.3	37.8	44.5	56.0	TN.....	46.8	71.1	78.7	99.2
M.A.....	300.6	418.3	439.0	550.3	AL.....	31.9	41.8	53.3	59.7
NY.....	120.9	148.5	148.9	180.7	MS.....	23.0	32.6	32.0	35.5
N.J.....	73.0	112.9	119.7	148.8	W.S.C.....	294.4	361.8	342.3	344.5
PA.....	106.7	156.9	170.4	210.8	AR.....	31.3	43.0	43.4	49.8
E.N.C.....	333.4	490.5	520.7	625.8	LA.....	45.7	63.0	50.3	44.1
OH.....	83.0	129.1	138.3	162.5	OK.....	52.1	64.7	51.9	46.8
IN.....	41.4	57.2	64.5	90.1	TX.....	165.3	191.1	196.7	203.8
IL.....	80.0	115.3	122.5	140.5	M.L.....	136.6	169.2	181.3	195.4
MI.....	94.8	135.1	139.4	167.2	MT.....	9.3	12.4	12.4	11.1
WI.....	34.2	53.8	56.0	65.5	ID.....	9.3	11.3	12.3	11.5
W.N.C.....	186.3	266.4	284.9	291.3	W.Y.....	5.1	5.5	6.2	6.5
MN.....	44.3	58.6	65.5	73.9	CO.....	38.4	46.1	47.1	49.3
IA.....	28.6	39.1	41.9	38.5	N.M.....	15.9	18.3	19.1	19.8
MO.....	48.4	72.1	81.0	85.8	AZ.....	37.9	50.7	59.8	71.7
ND.....	6.4	9.4	10.0	8.5	UT.....	12.5	14.7	15.0	15.5
SD.....	8.6	13.3	11.8	11.3	N.V.....	8.2	10.2	9.4	10.0
NE.....	16.6	24.6	24.9	24.5	Pac.....	300.3	442.4	478.9	508.2
KS.....	33.4	49.3	49.8	47.4	WA.....	38.7	44.9	44.9	43.8
					OR.....	24.4	34.4	35.7	39.3
					CA ²	233.8	343.2	382.1	407.2
					AK.....	4.3	12.1	9.2	10.0
					HI.....	4.1	7.8	7.0	7.9

¹ U.S. and region totals are derived independently and therefore are not equal to the sum of the States. California Association of Realtors®.

² Provided by the

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Existing Home Sales*, monthly. (Copyright.)

Apartments—Housing Output—Residential Capital

709

NO. 1280. NEW APARTMENTS COMPLETED AND RENTED IN 3 MONTHS, BY REGION: 1980 TO 1985

[Structures with 5 or more units, privately financed, nonsubsidized, unfurnished apartments. Based on sample and subject to sampling variability. For composition of regions, see fig. 1, inside front cover]

YEAR AND RENT	NUMBER (1,000)				PERCENT RENTED IN 3 MONTHS					
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1980	196.1	14.2	43.8	91.5	46.6	75	77	77	74	75
1981	135.3	4.9	36.9	68.4	25.1	80	85	86	78	75
1982	117.0	4.6	21.9	66.8	23.7	72	74	79	70	72
1983	191.5	3.5	41.1	115.1	31.8	69	73	66	63	63
1984	313.2	3.8	41.2	194.4	73.9	67	64	79	63	70
1985.....	365.2	8.1	54.0	166.1	137.0	65	69	72	59	68
Less than \$300.....	30.7	1.8	6.7	16.2	5.9	70	70	93	57	77
\$300-\$349.....	41.7	1.0	8.4	20.1	12.2	68	100	90	57	69
\$350-\$399.....	72.0	.2	11.6	34.9	25.3	71	59	82	69	70
\$400-\$449.....	60.6	(2)	7.8	28.5	24.3	61	(2)	64	56	65
\$450-\$499.....	57.6	.4	7.4	30.5	19.3	59	27	69	56	61
\$500 or more.....	102.8	4.6	12.3	35.9	49.9	63	67	48	58	69

Z Less than 50 or .5 percent.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-131, and unpublished data.

NO. 1281. GROSS HOUSING PRODUCT—SUMMARY: 1970 TO 1985

[In billions of dollars. For definition of current and constant dollars, see Guide to Tabular Presentation]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1970	1980	1982	1983	1984	1985	1970	1980	1982	1983	1984	1985
Total value of housing output ¹	90.5	251.2	308.9	330.8	357.7	388.5	207.4	299.9	308.9	312.8	321.0	329.9
Nonfarm housing	87.3	240.1	296.0	318.6	345.0	377.9	189.1	285.6	296.0	300.3	308.8	318.1
Owner-occupied	61.3	178.3	218.1	239.9	253.3	276.3	132.8	212.0	218.1	220.5	227.0	233.5
Tenant-occupied	26.0	61.9	77.9	84.7	92.3	101.7	56.2	73.6	77.9	79.8	81.9	84.6
Farm housing	3.3	11.0	12.9	12.1	12.2	10.6	18.3	14.3	12.9	12.5	12.2	11.8
Less: Intermediate goods and services consumed	12.7	47.2	54.9	57.2	60.9	66.7	29.9	56.4	54.9	54.1	54.7	58.5
Equals: Gross housing product	77.8	204.0	254.0	273.6	296.8	321.9	177.5	243.5	254.0	258.7	266.3	273.4

¹ Equals personal consumption expenditures (see text, section 14) for housing, less expenditures for transient hotels, motels, clubs, schools, and other group housing.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 1282. RESIDENTIAL CAPITAL—STOCKS AND AVERAGE AGE: 1960 TO 1985

[As of Dec. 31. Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 874]

ITEM	CURRENT DOLLARS (bil. dol.)					CONSTANT (1982) DOLLARS (bil. dol.)					AVERAGE AGE ¹ (years)			
	1980	1970	1980	1984	1985	1980	1970	1980	1984	1985	1980	1970	1980	1985
Gross stocks ²	688	1,220	4,184	5,239	5,436	2,454	3,319	4,484	4,874	5,006	27.3	25.1	23.7	24.0
Private nonfarm: 1-4 units	572	983	3,331	4,180	4,338	2,056	2,689	3,572	3,882	3,988	25.6	25.7	24.5	24.8
5 or more units	49	125	508	680	681	174	343	543	608	628	26.3	18.2	17.6	18.6
Farm (1-4 units)	42	55	134	150	150	153	150	145	139	138	43.7	43.9	42.8	42.8
Private nonhousekeeping	5	10	24	26	27	16	27	25	25	25	28	12.8	14.6	19.3
Mobile homes	4	14	73	88	91	6	29	77	87	89	4.7	4.7	7.1	8.2
Public: Federal, State and local	12	25	85	107	110	42	68	91	99	101	11.2	14.9	19.6	21.7
Net stocks ^{2,3}	436	791	2,734	3,877	3,506	1,555	2,151	2,929	3,142	3,229	17.5	16.5	16.2	16.8
Private nonfarm: 1-4 units	371	639	2,187	2,711	2,817	1,333	1,748	2,345	2,519	2,590	17.1	17.2	16.8	17.4
5 or more units	28	88	363	455	476	102	243	387	423	436	18.6	11.1	12.5	13.7
Farm (1-4 units)	19	24	57	63	63	70	64	62	59	58	29.5	28.8	26.4	26.3
Private nonhousekeeping	2	6	12	13	12	8	18	13	12	11	12.7	9.0	16.0	18.3
Mobile homes	3	10	41	46	47	4	21	43	49	46	3.5	3.3	5.3	5.6
Public: Federal, State and local	10	18	57	69	71	34	51	61	64	65	9.8	12.7	16.2	17.6

¹ Constant-dollar stocks. ² Includes equipment, not shown separately. ³ Based on straight-line depreciation.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August 1986, and unpublished data.

Construction and Housing

NO. 1283. HOUSING UNITS—SUMMARY OF CHARACTERISTICS: 1960 TO 1983

[In thousands, except as indicated. As of April, except 1983 as of fall. For information on methodology, see Appendix III. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. I, inside front cover]

CHARACTERISTIC	1960	1970	1980	Total	1983			
					Regions			
					North-east	Mid-west	South	West
All housing units.....	58,326	68,672	88,411	93,519	20,053	23,874	31,150	18,443
All year-round units.....	56,584	67,699	88,693	91,675	19,352	23,421	30,700	18,201
Occupied units.....	53,024	63,445	80,390	84,638	18,221	21,618	27,931	16,868
Owner occupied.....	32,797	39,866	51,795	54,724	11,009	14,935	18,825	9,955
Percent of all occupied.....	61.9	62.9	64.4	64.7	60.4	69.1	67.4	59.0
Renter occupied.....	20,227	23,560	28,595	29,914	7,212	6,683	9,106	6,912
Vacant year-round.....	3,560	4,234	6,303	7,937	1,131	1,803	2,789	1,934
For sale only.....	522	501	948	955	120	275	384	198
Homeowner vacancy rate.....	1.6	1.2	1.8	1.7	1.1	1.8	1.9	1.9
For rent.....	1,453	1,666	2,179	1,908	303	470	783	381
Rental vacancy rate.....	6.7	6.8	7.1	5.9	4.0	6.4	7.5	5.1
Other vacant.....	1,084	2,087	3,176	4,176	708	1,058	1,682	756
Vacant, seasonal and migratory.....	1,742	973	1,718	1,845	700	453	450	241
Cooperatives and condominiums:								
Owner occupied.....	(NA)	(NA)	(NA)	1,749	422	341	496	489
Cooperatives.....	(NA)	(NA)	(NA)	360	227	58	35	40
Condominiums.....	(NA)	(NA)	1,225	1,389	195	284	461	449
Vacant for sale only.....	(NA)	(NA)	(NA)	145	14	25	65	41
Public or subsidized housing: ¹								
Units in public housing project.....	(NA)	(NA)	(NA)	2,180	639	525	707	309
Private housing unit with government rent subsidy.....	(NA)	(NA)	(NA)	1,199	381	252	293	273
Units in structure ^a —								
1-unit.....	43,758	46,791	57,183	61,482	10,884	16,546	22,298	11,764
Percent of total units.....	77.3	69.1	65.9	67.1	56.2	70.8	72.6	64.8
2-4 units.....	7,552	9,007	9,682	11,373	3,847	2,969	2,516	2,041
5 or more units.....	6,238	9,829	15,478	14,820	4,274	3,149	4,028	3,369
Mobile home or trailer.....	767	2,073	4,416	3,999	348	756	1,858	1,037
Year structure built: ²								
April 1970 or later.....	(X)	(X)	22,744	23,686	2,633	4,926	10,301	5,828
1960–March 1970.....	(X)	16,956	17,087	16,144	3,082	4,242	6,763	4,058
1950–1959.....	16,048	14,499	14,871	14,331	2,628	3,544	5,013	3,147
1940–1949.....	8,640	8,788	9,642	8,101	1,549	1,782	3,951	1,719
1939 or earlier.....	33,632	27,458	22,414	27,413	9,461	8,927	5,973	3,452
Percent built prior to 1940.....	57.7	40.6	25.8	29.9	48.9	38.1	18.2	19.0
Units with ^a —								
1–3 rooms.....	11,400	11,028	13,598	13,533	3,498	2,768	3,834	3,433
4 rooms.....	12,435	14,113	16,969	17,828	3,409	4,100	6,356	3,963
5 rooms.....	14,323	16,998	20,017	21,937	3,812	5,909	8,160	4,055
6 rooms.....	11,141	13,609	16,945	18,324	3,869	4,940	6,930	3,184
7 or more rooms.....	9,020	11,950	19,164	20,053	4,764	5,703	6,020	3,566
Median number of rooms.....	4.9	5.0	5.1	5.1	5.2	5.3	5.1	4.9
Persons per unit (median):								
Owner occupied.....	3.1	3.0	2.6	2.5	2.7	2.6	2.5	2.4
Renter occupied.....	2.6	2.3	2.0	2.0	2.0	1.9	2.2	2.1
Units lacking some or all plumbing facilities ²	7,899	4,998	2,334	2,293	371	463	1,174	225
Percent.....	13.2	6.5	2.7	2.4	1.9	2.0	3.8	1.2
Percent of units with—								
Telephone ^a	78.5	87.0	93.0	90.4	91.3	92.2	88.3	90.5
Air conditioning ²	12.4	36.7	55.0	59.1	46.8	61.7	78.2	37.2
Central system ²	1.9	10.7	27.5	29.2	9.6	29.5	45.4	23.0
Public sewer ^a	(NA)	70.2	74.1	74.3	76.8	76.5	65.6	83.3
Public or private company water ¹	(NA)	81.7	83.6	84.4	85.8	81.0	81.5	92.1
Year householder moved into unit:								
April 1970 or later.....	(NA)	(NA)	(NA)	61,655	12,038	15,259	20,665	13,692
1965–March 1970.....	(NA)	(NA)	(NA)	7,004	1,698	1,852	2,326	1,129
1960–1964.....	(NA)	(NA)	(NA)	5,090	1,301	1,379	1,843	768
1950–1959.....	(NA)	(NA)	(NA)	6,397	1,827	1,812	1,911	847
1949 or earlier.....	(NA)	(NA)	(NA)	4,493	1,358	1,316	1,387	433

NA Not available. X Not applicable. ¹ Refers to specified renter-occupied units. ² For 1960, all housing units, based on a complete count, but tabulated on a 20-percent sample basis. For 1970, 1980, and 1983 all year-round units. For 1980 and 1983, air conditioning based on occupied housing units. ^a January 1970 or later. ^b 1960 to 1969. ^c Occupied housing units.

Source: U.S. Bureau of the Census, *U.S. Census of Housing: 1960*, vol. 1; *1980 Census of Housing*, vol. 1, chapters A and B; and *Current Housing Reports*, series H-150-83, Annual Housing Survey, part A.

Housing Units

711

No. 1284. HOUSING UNITS—SELECTED CHARACTERISTICS, BY STATE: 1980

[As of April 1]

STATE	Total housing units (1,000)	YEAR-ROUND HOUSING UNITS											
		Percent with—			Occupied housing units								
		Structure built		5 or more units in structure	Total (1,000)	Percent—			Householder moved into unit 1979 to March 1980	Median value (dol.) specified owner ¹	Median selected monthly owner costs ² (dol.)	Median gross rent ³ (dol.) specified renter	
		1970 to March 1980	1939 or earlier			Owner occupied units	With 1 or more persons per room	With 10 or more persons per room					
United States	88,411	86,759	25.9	26.1	17.5	80,390	64.4	4.5	22.8	47,200	365	243	
Alabama	1,467	1,451	30.9	16.3	9.1	1,342	70.1	5.4	20.8	33,900	295	188	
Alaska	163	154	52.7	4.7	22.1	131	58.3	10.1	38.6	76,300	640	368	
Arizona	1,111	1,072	48.6	5.6	16.3	957	68.3	7.2	32.5	54,800	365	263	
Arkansas	898	889	32.9	17.3	7.2	816	70.5	5.2	23.1	31,100	280	185	
California	9,279	9,223	27.2	14.7	24.0	8,630	55.9	7.4	28.0	84,500	411	283	
Colorado	1,194	1,170	39.1	18.0	21.4	1,061	64.5	2.8	33.0	64,100	422	252	
Connecticut	1,159	1,145	18.1	32.0	17.5	1,094	63.9	2.6	18.1	65,600	434	261	
Delaware	239	230	25.7	20.8	16.7	207	69.1	2.6	21.1	44,400	351	247	
District of Columbia	277	277	7.0	39.1	52.7	253	35.5	8.1	20.1	68,800	389	228	
Florida	4,378	4,279	43.9	6.7	23.7	3,744	68.3	5.3	26.8	45,100	337	256	
Georgia	2,028	2,014	33.3	14.7	14.0	1,872	65.0	5.3	23.9	36,900	340	211	
Hawaii	334	332	38.9	10.5	38.1	294	51.7	15.3	28.8	118,100	463	311	
Idaho	375	360	38.4	21.9	8.8	324	72.0	4.5	28.8	45,600	332	218	
Illinois	4,320	4,304	19.4	34.7	22.3	4,045	62.6	4.2	20.6	52,800	406	246	
Indiana	2,092	2,065	22.0	32.1	10.8	1,927	71.7	3.1	21.0	37,200	304	219	
Iowa	1,131	1,121	20.5	44.4	10.2	1,053	71.8	2.1	20.6	40,600	348	225	
Kansas	955	951	22.7	33.6	9.7	872	70.2	2.4	24.0	37,800	330	219	
Kentucky	1,369	1,355	28.7	24.7	10.1	1,263	70.0	4.7	21.2	34,200	298	198	
Louisiana	1,548	1,537	30.8	15.9	11.1	1,412	65.5	7.1	23.2	43,000	313	214	
Maine	501	428	23.2	47.5	10.0	395	70.9	3.1	20.1	37,900	317	216	
Maryland	1,571	1,550	23.6	22.4	22.4	1,461	62.0	3.1	20.6	58,900	413	266	
Massachusetts	2,208	2,141	15.4	47.3	20.5	2,033	57.5	2.6	18.2	48,400	424	255	
Michigan	3,590	3,451	22.1	27.6	12.5	3,195	72.7	3.1	20.0	39,000	363	250	
Minnesota	1,613	1,530	25.2	33.3	17.3	1,445	71.7	2.3	21.8	53,100	375	236	
Mississippi	912	905	32.5	15.6	8.0	827	71.0	8.0	20.4	31,400	284	180	
Missouri	1,989	1,963	23.9	29.4	11.4	1,793	69.6	3.4	21.3	36,700	317	211	
Montana	328	315	30.7	30.3	9.9	284	68.8	3.8	27.8	46,500	347	200	
Nebraska	625	619	23.8	38.9	12.3	571	68.4	2.1	22.9	38,000	359	213	
Nevada	340	338	51.8	5.7	23.2	304	59.5	4.7	37.7	68,700	454	310	
New Hampshire	386	349	27.5	39.0	14.3	323	67.8	2.4	22.0	48,000	408	251	
New Jersey	2,772	2,690	16.1	33.4	20.9	2,549	62.0	3.5	16.7	60,200	456	270	
New Mexico	508	493	36.5	11.8	12.2	441	68.1	8.6	29.5	45,300	324	218	
New York	6,668	6,706	11.9	43.3	35.8	6,340	48.6	4.9	17.1	45,600	430	249	
North Carolina	2,275	2,224	32.0	17.3	8.5	2,043	68.4	4.5	20.6	36,000	320	205	
North Dakota	259	253	30.9	34.9	14.3	228	68.7	2.7	24.6	43,900	392	206	
Ohio	4,108	4,078	20.0	32.8	14.1	3,834	68.4	2.5	20.2	44,900	347	224	
Oklahoma	1,237	1,230	30.0	20.2	10.1	1,119	70.7	3.7	26.4	35,600	305	214	
Oregon	1,083	1,072	34.2	20.6	15.1	992	65.1	2.9	29.8	56,900	371	257	
Pennsylvania	4,596	4,513	16.4	44.8	12.2	4,220	69.9	2.4	15.8	39,100	336	225	
Rhode Island	373	363	16.1	43.0	16.4	339	58.8	2.5	19.6	46,800	391	222	
South Carolina	1,154	1,123	34.4	15.2	8.4	1,030	70.2	6.0	20.6	35,100	312	206	
South Dakota	277	270	26.6	40.7	11.2	243	68.3	3.6	23.5	36,600	352	188	
Tennessee	1,747	1,737	31.1	16.7	11.5	1,619	68.6	4.4	22.0	35,600	299	203	
Texas	5,549	5,485	35.2	12.2	18.4	4,829	64.3	7.2	29.1	39,100	348	245	
Utah	490	481	37.7	18.8	12.5	449	70.7	5.8	26.8	57,300	381	235	
Vermont	223	196	24.4	46.9	9.4	178	68.7	2.5	21.6	42,200	336	226	
Virginia	2,021	2,000	30.9	17.7	16.2	1,863	65.6	3.4	23.3	48,000	395	259	
Washington	1,659	1,652	32.0	21.3	17.2	1,541	65.6	2.9	28.0	59,900	362	254	
West Virginia	748	737	24.9	34.2	6.2	686	73.6	4.1	18.0	38,500	290	195	
Wisconsin	1,864	1,756	23.1	36.6	12.3	1,652	68.2	2.4	20.7	48,600	381	234	
Wyoming	188	182	40.4	22.6	10.0	166	69.2	4.2	34.2	58,800	397	252	

¹ "Specified owner-occupied" housing units include one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings.

² "Specified owner with a mortgage". Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.). ³ "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are paid for by the renter (or paid for the renter by someone else) in addition to rent. ⁴ "Specified renter-occupied" housing units include renter-occupied units except one-family houses on 10 or more acres.

Source: U.S. Bureau of the Census, 1980 Census of Housing, vol. 1, chapters A and B (HC80-1-A and HC80-1-B).

Construction and Housing

No. 1285. OCCUPIED HOUSING UNITS—TENURE, BY RACE OF HOUSEHOLDER: 1920 TO 1983

[In thousands, except as indicated. As of April 1, except 1983, as of fall. Prior to 1960, excludes Alaska and Hawaii. Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1920 and 1930; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960 to 1983. For 1920, includes the small number of quasifamilies; for 1930, represents private families only. See also *Historical Statistics, Colonial Times to 1970*, series N 238-245]

RACE OF HOUSEHOLDER AND TENURE	1920	1930	1940	1950	1960	1970	1980	1983
ALL RACES								
Occupied units, total	24,352	29,905	34,855	42,826	53,024	63,445	80,390	84,638
Owner occupied	11,114	14,280	15,196	23,580	32,797	39,886	51,795	54,724
Percent of occupied	45.6	47.8	43.6	55.0	61.9	62.9	64.4	64.7
Renter occupied	13,238	15,624	19,659	19,266	20,227	23,560	28,595	29,914
WHITE								
Occupied units, total	21,826	26,983	31,561	39,044	47,880	56,608	68,610	72,562
Owner occupied	10,511	13,544	14,418	22,241	30,823	37,005	46,871	49,144
Percent of occupied	48.2	50.2	45.7	57.0	64.4	65.4	67.8	67.7
Renter occupied	11,315	13,439	17,143	16,803	17,057	19,601	22,139	23,418
BLACK AND OTHER								
Occupied units, total	2,526	2,922	3,293	3,783	5,144	6,839	11,580	12,078
Owner occupied	603	737	778	1,319	1,974	2,881	5,124	5,580
Percent of occupied	23.9	25.2	29.6	34.9	38.4	42.1	44.2	46.2
Renter occupied	1,923	2,185	2,516	2,464	3,170	3,959	6,456	6,495

Source: U.S. Bureau of the Census, *Census of Housing: 1960*, vol. 1; *1970*, vol. 1; *1980 Census of Housing*, vol. 1, chapter A (HCHO-1-A); and *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

No. 1286. OCCUPIED HOUSING UNITS—FINANCIAL SUMMARY: 1970 TO 1983

[In thousands, except as indicated. See headnote, table 1283. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1 inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 302-307]

CHARACTERISTIC	1970	1980	Total	1983			
				Region			
				North-east	Mid-west	South	West
Occupied units, total	63,450	80,390	84,638	18,221	21,618	27,931	16,888
Mortgaged	(NA)	25,483	27,758	5,112	7,410	9,317	5,919
Percent	(NA)	64.6	63.8	58.9	62.2	62.5	73.6
Not mortgaged	(NA)	13,946	15,777	3,562	4,497	5,594	2,124
Median income:							
Owner occupied (dol.)	9,700	19,800	24,400	26,300	24,300	21,700	26,000
Renter occupied (dol.)	6,300	10,500	12,400	12,400	11,800	12,400	13,500
Specified owner occupied ¹	31,891	39,470	43,535	8,674	11,906	14,911	8,043
With value of—							
Less than \$20,000	19,739	4,777	2,409	362	731	1,218	96
\$20,000-\$24,999	4,674	2,484	1,498	261	503	837	85
\$25,000-\$34,999	4,436	5,511	4,207	693	1,468	1,840	206
\$35,000-\$49,999	2,045	8,486	8,703	1,740	2,846	3,377	740
\$50,000-\$99,999	996	14,382	19,464	4,272	5,385	6,068	3,739
\$100,000 and over		3,810	7,269	1,344	975	1,772	3,176
Median—							
Value (dol.)	17,000	47,200	59,700	61,900	52,500	52,100	89,100
Real estate taxes ² (dol.)	(NA)	460	564	1,100	635	270	572
Units monthly costs ³ —							
With mortgages (dol.)	(NA)	366	463	503	453	428	600
Owned clear (dol.)	(NA)	128	166	223	178	137	134
Specified renter occupied ⁴	22,334	27,252	29,214	7,149	6,469	8,791	6,804
With gross rent of—							
Less than \$60	5,466	1,080	646	114	150	302	80
\$60-\$99	3,701	651	551	116	109	201	125
\$100-\$119	3,932	818	1,707	448	395	580	285
\$120-\$149	3,772	1,678					
\$150-\$199	3,904	4,219	2,364	545	837	805	376
\$200-\$299	1,194	10,023	7,377	1,854	2,088	2,097	1,338
\$300 and over	265	7,516	15,168	3,843	2,804	4,144	4,374
No cash rent	1,300	1,267	1,401	226	286	662	228
Median rent (dol.)	108	243	315	316	286	304	362

NA. Not available. ¹ Includes only 1-family homes on less than 10 acres and no business on the property. ² Taxes paid previous year. ³ Covers real estate taxes, property insurance, utilities, fuel, water, garbage and trash collection, and mortgage.

⁴ Excludes 1-family homes on 10 acres or more.

Source: U.S. Bureau of the Census, *Census of Housing, 1970 and 1980*, vol. 1, and *Current Housing Reports*, H-150-83, Annual Housing Survey: 1983, parts A and C.

NO. 1287. HEATING EQUIPMENT AND FUELS FOR OCCUPIED UNITS: 1950 TO 1983

ITEM	NUMBER (1,000)					PERCENT DISTRIBUTION				
	1950	1960	1970	1980	1983	1950	1960	1970	1980	1983
Occupied units, total	42,826	53,024	63,445	80,390	84,638	100.0	100.0	100.0	100.0	100.0
Heating equipment:										
Warm air furnace.....	11,508	17,378	27,515	{ 39,279	44,320	26.9	32.8	43.4	{ 48.9	52.4
Heat pumps.....				2,635	2,171				3.5	2.6
Steam or hot water.....	10,071	11,990	13,211	13,859	13,772	23.5	22.6	20.8	17.2	16.3
Floor, wall, or pipeless furnace.....	(1)	6,088	5,552	4,693	5,977	(1)	11.5	8.8	5.8	7.1
Built-in electric units.....		664	3,236	6,370	6,207		1.3	5.1	7.9	7.3
Room heaters with flue.....	2 15,399	2 11,183	7,209	6,098	3,438	2 36.0	2 21.1	11.4	7.6	4.1
Room heaters without flue.....	5,268	5,218	3,558	2,736	2,926	12.3	9.8	5.6	3.4	3.5
Fireplaces, stoves, or heaters ³	(2)	(2)	2,768	3,977	5,152	(1)	(2)	4.4	4.9	6.1
None.....	581	503	398	541	677	1.4	.9	.6	.7	.8
House heating fuel:										
Utility gas.....	11,387	22,851	35,014	42,658	46,700	26.6	43.1	55.2	53.1	55.2
Fuel oil, kerosene, etc.....	9,686	17,158	16,473	14,655	13,031	22.6	32.4	26.0	18.2	15.4
Electricity.....	283	933	4,878	14,768	15,684	.7	1.8	7.7	18.3	18.5
Bottled, tank, or LP gas.....	787	2,688	3,807	4,535	3,869	1.8	5.1	6.0	5.6	4.6
Wood and other fuel.....	4,855	2,480	1,060	2,729	4,245	11.3	4.6	1.7	3.4	5.0
Coal or coke.....	14,828	6,456	1,821	504	432	34.6	12.2	2.9	.6	.5
None.....	998	478	395	541	677	2.3	.9	.6	.7	.8
Cooking fuel:										
Electricity.....	6,403	16,351	25,768	41,906	(NA)	15.0	30.8	40.6	52.1	(NA)
Utility gas.....	22,084	27,296	31,244	32,375	(NA)	51.6	51.5	49.2	40.3	(NA)
Bottled, tank, or LP gas.....	3,417	6,491	5,314	5,568	(NA)	8.0	12.2	8.4	6.9	(NA)
Other fuel.....	10,796	2,603	908	398	(NA)	25.2	4.9	1.4	.5	(NA)
None.....	124	280	213	142	(NA)	.3	.5	.3	.2	(NA)

¹ Represents zero. NA Not available.¹ "Floor, wall, or pipeless furnace" included in "Warm air furnace."² "Fireplaces, stoves, or portable heaters" included in "Room heaters with flue." ³ Portable heaters.Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. 1, and *1980*, vol. 1; *Current Housing Reports*, series H-150-83, Annual Housing Survey: 1983, part A.

NO. 1288. OCCUPIED HOUSING UNITS—PRIMARY HEATING FUEL AND EQUIPMENT, BY SELECTED CHARACTERISTICS: 1984

[In millions. As of November. Excludes Alaska and Hawaii. Covers year-round units only. Based on Residential Energy Consumption Survey; see Appendix III. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	Total occupied housing units ¹	PRIMARY HEATING FUEL					PRIMARY HEATING EQUIPMENT				
		Natural gas	Fuel oil, kerosene	Electricity	LPG ²	Wood	Warm air furnace with ducts	Steam or hot water system	Room heaters ³	Floor, wall, or pipeless furnace	Built-in electric units
Total	86.3	47.9	12.2	14.5	3.9	6.5	41.8	15.3	5.5	6.5	5.4
Region:											
Northeast.....	18.2	7.2	8.2	1.4	.2	1.1	5.8	9.7	.3	.1	1.1
Midwest.....	21.6	16.4	1.1	1.3	1.3	1.4	14.5	3.7	.8	.6	.4
South.....	29.3	13.1	2.3	8.4	2.1	2.8	13.8	1.0	3.8	2.4	1.9
West.....	17.2	11.2	.4	3.4	.4	1.1	7.7	.8	.6	3.4	2.0
Type:											
Single-family detached.....	53.5	29.8	7.0	7.2	2.6	5.8	27.9	5.1	4.4	4.4	2.6
Single-family attached.....	4.1	2.5	.7	.7	—	—	2.3	1.1	.2	.1	.1
2-4 unit building.....	10.0	7.0	1.7	1.0	—	.2	3.8	3.2	.6	1.1	.5
5 or more unit building.....	13.6	7.1	2.2	4.2	—	—	4.1	5.8	.2	.7	1.9
Mobile home.....	5.1	1.4	.7	1.4	1.2	.4	3.7	—	.1	.2	.4
Year house built:											
1959 or earlier.....	25.2	15.0	5.6	1.0	1.2	2.0	9.4	7.2	3.3	2.0	.5
1940 to 1949.....	7.0	4.4	1.1	.7	.2	.5	2.9	1.4	.6	1.1	.2
1950 to 1959.....	12.6	8.3	1.9	1.1	.4	.7	6.5	1.7	.9	1.6	.3
1960 to 1964.....	7.5	4.3	1.1	1.0	.4	.6	4.1	1.0	.2	.7	.5
1965 to 1969.....	8.2	4.7	.7	1.7	.3	.7	4.4	1.1	.1	.8	.9
1970 to 1974.....	10.7	5.1	.6	3.2	.7	.9	6.2	1.1	.1	.4	1.2
1975 to 1979.....	10.1	3.9	.6	4.1	.4	.7	5.2	1.3	.1	.1	1.3
1980 or later.....	5.0	2.1	.2	2.0	.2	.4	3.1	.6	—	.1	.5

¹ Represents zero or rounds to zero. NA Not available.¹ Includes types of fuel and equipment not shown separately.² Liquid petroleum gas.³ With or without flue.Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristic, 1984*, August 1986.

Construction and Housing

NO. 1289. APPLIANCES USED BY HOUSEHOLDS, BY REGION AND FAMILY INCOME: 1984

[In millions, except percent. As of November. Represents appliances possessed and generally used by the household. See headnote, table 1288. For composition of regions, see fig. 1, inside front cover.]

TYPE OF APPLIANCE	HOUSEHOLDS USING APPLIANCE		REGION				FAMILY INCOME IN 1984			
	Number	Percent of total	North-east	Mid-west	South	West	Under \$15,000	\$15,000-\$24,999	\$25,000-\$34,999	\$35,000 and over
Total households	88.3	100.0	18.3	21.6	29.3	17.1	35.0	17.4	15.3	18.7
Air conditioners; Room ¹	26.8	31.0	7.5	7.2	9.3	2.8	10.7	6.0	5.2	4.9
Central system.....	24.6	28.5	1.8	5.8	13.3	3.7	6.6	4.4	5.1	8.4
Clothes washer	63.1	73.1	13.4	15.8	22.0	12.0	21.0	12.5	12.4	17.2
Clothes dryer	53.1	61.5	10.7	14.2	17.8	10.5	14.7	10.6	11.6	16.3
Dehumidifier	7.5	8.7	2.8	3.6	1.1	-	.9	1.5	2.1	2.9
Dishwasher	32.5	37.6	6.4	6.6	11.5	7.9	6.1	5.7	7.5	13.2
Evaporative cooler ²	9.2	3.8	-	-	5	2.6	1.3	.6	.6	.6
Freezer	31.7	36.7	5.3	9.2	11.7	5.6	10.5	5.9	6.2	9.1
Humidifier	11.3	12.1	2.8	6.2	1.6	.8	2.5	2.0	2.8	4.3
Microwave oven ³	29.6	34.3	4.0	8.6	10.1	7.0	5.9	5.8	7.4	10.4
Motor vehicles: ⁴ One Two or more	30.7	35.6	6.8	7.7	10.0	6.2	17.0	7.3	8.9	2.5
Gas.....	44.6	51.7	7.9	11.2	15.9	9.5	8.8	9.1	10.9	15.8
Outdoor gas grill	11.5	13.4	3.6	2.6	3.5	1.8	1.5	1.7	2.8	5.5
Outdoor gas light	1.2	1.4	.2	.5	.5	-	-	.2	.2	.4
Oven: Electric.....	42.4	49.1	7.2	10.0	15.8	9.4	14.4	8.5	8.2	11.2
Gas.....	35.8	41.5	9.7	9.8	9.7	6.7	16.5	7.4	5.8	8.1
Portable electric heater	8.9	10.3	1.4	1.5	3.7	2.3	3.6	1.7	1.9	1.6
Portable kerosene heater	5.3	6.1	1.3	1.2	2.5	2	1.7	1.3	1.0	1.4
Range: Electric.....	46.5	53.9	7.7	11.2	18.2	9.4	16.2	9.2	9.0	12.1
Gas.....	39.0	45.2	10.4	10.2	10.9	7.6	18.3	8.1	6.1	6.7
Refrigerator: Frost-free.....	53.9	62.4	9.5	12.8	19.8	11.8	17.1	10.6	10.8	15.3
Non-frost-free	32.2	37.3	8.7	8.8	9.5	5.2	17.6	6.7	4.5	3.4
Television set: Color.....	75.8	88.0	16.3	19.3	25.1	15.2	27.7	15.6	14.4	18.2
Black and white.....	37.3	43.2	9.0	9.0	13.3	6.0	14.6	7.1	8.7	8.8
Water heater: ⁵ Gas.....	41.3	47.8	7.0	12.5	11.8	10.0	14.8	8.1	8.0	10.5
Electric.....	27.8	32.3	3.9	4.8	15.0	4.3	11.4	5.8	4.7	6.0
Other fuel	2.8	3.2	2.6	-	2	-	7	.5	.6	.7
Whole house cooling fan	6.7	7.8	1.3	1.7	3.1	.7	1.2	1.3	1.7	2.5
Window or ceiling fan	30.6	35.5	6.0	7.9	13.8	3.0	11.2	6.5	6.1	6.9

¹ Represents or rounds to zero. ² Includes small amount of households that have both central air conditioners and room units. ³ An air-cooling unit used in dry climates that turns air into moist, cool air by saturating the air with water vapor. ⁴ Microwave is first or second most used oven. ⁵ All motorized vehicles used by U.S. households for personal transportation excluding motorcycles, mopeds, large trucks, and buses.

^a Excludes water heaters that serve more than one household.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, August 1986.

NO. 1290. HOUSING UNITS—CHARACTERISTICS, BY SQUARE FOOTAGE OF FLOOR SPACE: 1980 TO 1984

[See headnote, table 1288]

CHARACTERISTIC	AVERAGE NUMBER OF SQUARE FEET PER HOUSEHOLD				HOUSEHOLDS BY MEASURED HEATED SQUARE FOOTAGE OF RESIDENCE (mil.)				
	Total		Heated		Total	Less than 1,000	1,000 to 1,599	1,600 to 2,399	2,400 and over
	Mean	Median	Mean	Median					
1980, total.....	1,745	1,489	1,499	1,260	81.6	28.6	24.0	17.8	11.3
1981, total.....	1,734	1,452	1,482	1,247	83.1	29.0	25.2	18.0	11.0
1982, total.....	1,698	1,463	1,449	1,222	83.8	30.3	25.1	17.7	10.6
1984, total.....	1,672	1,434	1,440	1,226	86.3	31.8	25.0	18.8	10.7
Northeast	1,914	1,862	1,601	1,407	18.2	6.1	4.2	4.8	3.1
Midwest	1,811	1,646	1,563	1,325	21.6	7.8	4.9	5.1	3.8
South	1,518	1,290	1,337	1,174	29.3	11.0	10.1	5.9	2.3
West	1,503	1,280	1,239	1,113	17.2	7.0	5.8	3.0	1.4
Single family detached.....	2,049	1,904	1,716	1,647	53.5	10.3	17.6	16.0	9.6
Single family attached.....	1,890	1,819	1,643	1,550	4.1	.8	1.3	1.4	.5
2-4 unit building.....	1,159	991	1,067	900	10.1	5.8	2.8	1.0	.5
5 or more unit building.....	816	743	801	736	13.6	10.8	2.2	.5	.1
Mobile home	637	780	819	768	6.1	4.0	1.1	-	-
Year house built:									
1939 or earlier	1,761	1,584	1,479	1,258	25.3	9.0	7.0	5.8	3.5
1940-1949	1,596	1,400	1,387	1,224	7.0	2.6	2.1	1.5	.8
1950-1959	1,696	1,529	1,451	1,243	12.5	4.2	3.9	3.1	1.3
1960-1964	1,654	1,368	1,454	1,231	7.4	2.6	2.5	1.4	.9
1965-1969	1,621	1,326	1,432	1,175	8.3	3.1	2.6	1.5	1.1
1970-1974	1,562	1,164	1,376	1,100	10.7	4.6	2.8	2.1	1.2
1975-1979	1,709	1,600	1,472	1,317	10.2	3.8	2.5	2.5	1.4
1980 or later.....	1,543	1,300	1,393	1,206	4.9	1.9	1.5	1.1	.4

¹ Represents zero or rounds to zero.

Source: U.S. Energy Information Administration, *Residential Energy Consumption Survey: Housing Characteristics, 1984*, August 1986, and earlier issues.

Residential Property Expenditures—Vacancy Rates

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No. 1291. EXPENDITURES BY RESIDENTIAL PROPERTY OWNERS FOR IMPROVEMENTS AND MAINTENANCE AND REPAIRS: 1970 TO 1985

YEAR AND TYPE OF EXPENDITURE	Unit	All properties	1-unit properties with owner occupant	Other properties	ADDITIONS AND ALTERATIONS			Major construction replacements	Maintenance and repairs
					Total	Residential	Other property		
1970: Total expenditures.....	Mil. dol.	14,770	9,469	5,301	6,246	4,950	1,296	2,629	5,895
1975: Total expenditures.....	Mil. dol.	25,239	15,684	9,556	10,997	8,815	2,182	4,484	9,758
1976: Total expenditures.....	Mil. dol.	29,034	18,854	10,180	12,314	9,860	2,454	5,341	11,379
1977: Total expenditures.....	Mil. dol.	31,280	21,761	9,519	14,237	11,160	3,077	5,699	11,344
1978: Total expenditures.....	Mil. dol.	37,461	24,189	13,272	16,458	12,156	4,302	8,084	12,909
1979: Total expenditures.....	Mil. dol.	42,231	28,280	13,951	18,285	12,922	5,383	8,996	14,950
1980: Total expenditures.....	Mil. dol.	46,338	31,481	14,857	21,336	15,376	5,980	9,816	15,187
1981: Total expenditures.....	Mil. dol.	46,351	30,201	16,150	20,414	15,111	5,303	9,915	16,022
1982: Total expenditures ¹	Mil. dol.	45,291	29,779	15,512	18,774	13,352	5,423	9,707	16,810
1983, total expenditures ¹	Mil. dol.	49,285	32,524	16,771	20,271	16,412	3,659	10,895	18,128
Heating and air-conditioning ²	Mil. dol.	3,714	2,643	1,071	701	701	(NA)	2,022	991
Plumbing.....	Mil. dol.	3,982	2,054	1,928	557	557	(NA)	1,741	1,684
Roofing.....	Mil. dol.	5,093	3,161	1,932	(NA)	(NA)	(NA)	3,579	1,514
Painting.....	Mil. dol.	6,317	6,529	2,788	(NA)	(NA)	(NA)	(NA)	6,317
1984, total ¹	Mil. dol.	69,784	43,781	26,003	27,822	20,493	7,329	13,067	28,894
Heating and air conditioning ²	Mil. dol.	5,071	2,768	2,303	959	959	(NA)	2,391	1,721
Plumbing.....	Mil. dol.	6,919	3,346	3,573	1,201	1,201	(NA)	2,408	3,310
Roofing.....	Mil. dol.	5,140	2,573	2,468	(NA)	(NA)	(NA)	3,126	2,014
Painting.....	Mil. dol.	8,817	4,998	3,819	(NA)	(NA)	(NA)	(NA)	8,817
1985, total ¹	Mil. dol.	80,287	47,742	32,525	28,775	21,565	7,211	16,184	35,358
Heating and air conditioning ²	Mil. dol.	5,086	3,287	1,809	1,121	1,121	(NA)	2,322	1,653
Plumbing.....	Mil. dol.	8,120	4,029	4,091	1,502	1,502	(NA)	3,115	3,503
Roofing.....	Mil. dol.	7,497	4,428	3,069	(NA)	(NA)	(NA)	5,086	2,411
Painting.....	Mil. dol.	11,267	5,810	5,457	(NA)	(NA)	(NA)	(NA)	11,267

NA Not available. ¹ Includes types of expenditures not separately specified. ² Central air-conditioning.

Source: U.S. Bureau of the Census, *Construction Reports*, series C50.

No. 1292. VACANCY RATES FOR HOUSING UNITS—CHARACTERISTICS: 1981 TO 1985

[In percent. Annual averages. Based on Current Population Survey and Quarterly Household Survey. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 249-258.]

RENTAL UNITS	1981	1982	1983	1984	1985	HOMEOWNER UNITS		1981	1982	1983	1984	1985
						Total	homeowner					
Total rental units.....	5.0	5.3	5.7	5.9	6.5	Total	homeowner	1.4	1.5	1.5	1.7	1.7
Inside SMSAs.....	4.8	5.0	5.5	6.7	6.3	Inside	SMSAs.....	1.4	1.5	1.6	1.6	1.7
Outside SMSAs.....	5.7	6.2	6.3	6.4	7.1	Outside	SMSAs.....	1.3	1.5	1.5	1.8	1.9
Northeast.....	3.7	3.7	4.0	3.7	3.5	Northeast.....		1.1	1.0	1.0	.8	1.0
Midwest.....	5.9	6.3	6.1	5.8	5.9	Midwest.....		1.4	1.6	1.5	1.6	1.6
South.....	5.4	5.8	6.9	7.9	9.1	South.....		1.3	1.6	1.6	2.0	2.1
West.....	5.1	5.4	5.2	5.2	6.2	West.....		1.7	1.9	1.8	2.0	2.1
Units in structure: 1 unit.....	3.3	3.6	3.7	3.8	3.8	Units in structure: 1 unit.....		1.1	1.2	1.3	1.4	1.4
2 or more.....	6.0	6.2	6.7	7.0	7.9	2 or more.....		5.4	6.1	5.2	6.1	6.6
5 or more.....	6.4	6.5	7.1	7.5	6.8	5 or more.....		10.8	12.2	8.8	10.6	10.1
Units with: 3 rooms or less.....	6.9	7.2	7.2	7.5	8.8	Units with: 3 rooms or less.....		3.5	3.9	3.3	4.8	5.8
4 rooms.....	4.8	5.0	5.7	6.3	6.9	4 rooms.....		2.0	2.4	2.4	2.6	2.3
5 rooms.....	3.8	4.0	4.4	4.6	5.0	5 rooms.....		1.4	1.4	1.4	1.6	2.0
6 rooms or more.....	3.2	3.5	3.7	3.5	3.2	6 rooms or more.....		1.1	1.2	1.3	1.4	1.4
Monthly rent: Less than \$99.....	3.0	3.4	2.5	2.7	3.5	Value: Less than \$19,999.....		1.8	2.3	2.3	2.5	2.5
\$100 or more.....	5.2	5.4	5.7	5.9	6.6	\$20,000 or more.....		1.1	1.2	1.2	1.3	1.3
Year built: 1960 or later.....	5.1	5.3	5.9	6.6	7.9	Year built: 1960 or later.....		1.6	1.8	1.8	2.0	2.0
1965 or later.....	5.3	5.6	6.2	6.6	7.9	1965 or later.....		1.8	2.1	1.9	2.0	2.0
1940-1959.....	4.9	5.2	5.4	5.6	6.2	1940-1959.....		.8	.9	1.1	1.2	1.2
1939 or earlier.....	5.2	5.5	5.6	5.3	5.0	1939 or earlier.....		1.6	1.6	1.7	1.7	1.8
Plumbing: With all facilities.....	4.8	5.1	5.5	5.7	6.3	Plumbing: With all facilities.....		1.4	1.5	1.5	1.6	1.7
Lacking facilities.....	12.3	12.2	11.8	13.6	13.8	Lacking facilities.....		3.3	3.9	3.6	5.3	7.5

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

Construction and Housing

NO. 1293. RECENT HOME BUYERS—GENERAL CHARACTERISTICS AND DOWNPAYMENTS:
1976 TO 1985

(As of October. Based on a sample survey; subject to sampling variability)

ITEM	Unit	1976	1978	1979	1980	1981	1982	1983	1984	1985
Median price of house purchased	Dollars....	43,340	54,750	58,100	66,714	78,220	82,500	90,000	89,400	90,400
First-time buyers.....	Dollars....	37,670	46,700	50,800	61,450	63,180	58,900	73,100	81,500	75,100
Repeat buyers ¹	Dollars....	50,090	59,180	64,600	75,750	82,220	98,300	101,800	100,400	105,200
Average monthly mortgage payment	Dollars....	329	384	449	599	694	732	794	868	986
Percent of income.....	Percent ...	24.0	26.0	28.2	32.4	35.5	33.0	32.5	30.3	30.0
Percent buying—										
New houses	Percent ...	15.1	14.4	17.8	22.4	25.2	23.2	26.4	22.3	23.8
Existing houses.....	Percent ...	84.9	85.6	82.2	77.6	74.8	76.8	73.6	77.7	76.2
Single-family houses	Percent ...	88.8	86.6	87.5	82.4	78.3	76.6	87.8	89.9	87.0
Multiple-family houses	Percent ...	4.8	7.6	5.3	5.5	6.9	6.5	4.6	2.5	4.2
Condominiums	Percent ...	6.4	5.6	5.8	12.1	13.4	16.9	7.6	7.6	6.4
For the first time.....	Percent ...	44.8	35.7	36.6	32.9	39.4	40.6	40.5	37.7	36.6
Average age of first-time buyers.....	Years....	28.1	28.3	28.4	28.3	28.4	28.6	28.9	29.1	28.4
Average age of repeat buyers ¹	Years....	35.9	35.5	34.7	36.4	36.4	37.1	37.3	37.8	38.4
Downpayment to sales price	Percent ...	25.2	21.4	24.9	28.0	24.1	22.4	22.9	20.9	24.8
First-time buyers.....	Percent ...	18.0	12.4	17.6	20.5	19.4	15.1	15.7	13.2	11.4
Repeat buyers ¹	Percent ...	30.8	27.6	29.0	32.7	27.1	27.3	27.8	25.6	32.7

¹ Buyers who previously owned a home.Source: Chicago Title Insurance Company, Chicago, IL, *The Guarantor*, bimonthly. (Copyright.)NO. 1294. VOLUME OF LONG-TERM MORTGAGE LOANS ORIGINATED, BY TYPE OF PROPERTY,
1970 TO 1985, AND BY LENDER, 1985

[In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1975	1980	1981	1982	1983	1984	1985, BY LENDER					
								Total ¹	Sav- ings and loan	Com- mer- cial banks	Mort- gage com- panies	Fed. credit agen- cies	Mut- ual sav- ings
Loans, total.....	59.8	120.7	197.2	158.1	153.9	293.9	319.2	391.3	145.6	108.9	69.2	10.1	22.0
1-4 unit family home	35.6	77.9	133.7	98.3	97.0	201.9	203.7	246.8	109.3	51.7	53.3	3.2	16.5
New units.....	12.6	24.6	49.1	37.3	30.6	47.4	53.7	54.2	22.5	9.5	16.6	2.0	2.8
Existing units	23.0	53.3	84.6	61.0	66.4	154.5	150.0	192.6	86.8	42.2	46.7	1.2	13.7
Multifamily residential.....	8.8	10.7	12.5	12.0	11.4	19.7	27.6	33.8	15.6	4.9	2.7	2.0	2.3
New units.....	7.0	5.8	8.6	8.0	6.1	7.1	11.1	11.0	3.3	1.3	-	1.8	.3
Existing units.....	1.8	4.9	3.9	4.0	5.3	12.6	16.5	22.8	12.8	3.8	2.7	.2	2.0
Non-residential.....	12.5	24.2	35.9	32.5	34.3	62.4	77.3	102.0	20.5	49.3	3.1	.6	3.1
Farm properties	3.0	7.9	15.0	15.4	11.2	9.9	10.5	8.7	.3	3.0	-	4.4	-

- Represents zero. ¹ Includes life insurance companies and other lenders not shown separately.Source: U.S. Dept. of Housing and Urban Development, *Survey of Mortgage Lending Activity*, 1970-1979, and monthly and quarterly press releases based on the Survey of Mortgage Lending Activity.

NO. 1295. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: 1970 TO 1985

[Annual averages, except as indicated. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, or mutual savings banks]

LOAN CHARACTERISTIC	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
NEW HOMES													
Contract interest rate.....	Percent ...	8.3	8.8	8.8	8.8	9.3	10.5	12.3	14.1	14.5	12.1	11.9	11.1
Initial fees, charges ¹	Percent ...	1.03	1.53	1.42	1.32	1.39	1.66	2.09	2.66	2.98	2.39	2.66	2.52
Term to maturity.....	Years....	25.1	27.0	27.3	27.9	28.0	28.5	28.1	27.7	27.5	26.7	27.8	27.0
Loan to price ratio.....	Percent ...	71.7	76.2	75.7	76.3	75.2	73.8	73.2	74.8	76.6	77.3	78.6	77.1
Purchase price.....	\$1,000	35.5	44.7	49.1	54.4	62.8	74.4	83.2	90.3	94.1	93.9	96.8	105.0
EXISTING HOMES													
Contract interest rate.....	Percent ...	8.2	9.0	8.9	8.8	9.4	10.6	12.5	14.5	14.8	12.3	12.0	11.2
Initial fees, charges ¹	Percent ...	.92	1.16	1.14	1.17	1.26	1.44	1.91	2.27	2.55	2.40	2.54	2.50
Term to maturity.....	Years....	22.8	24.2	24.6	25.8	26.4	27.1	26.9	25.9	24.9	25.9	26.5	25.5
Loan to price ratio.....	Percent ...	71.1	73.5	73.8	75.1	75.0	74.0	73.5	72.9	71.8	74.3	76.8	75.7
Purchase price.....	\$1,000	30.0	39.2	42.0	47.6	54.5	64.8	68.3	68.5	70.7	79.3	82.2	92.7

¹ Rate applies to any general or specific charges paid by borrower or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.Source: U.S. Federal Home Loan Bank Board, *Savings and Home Financing Source Book*, annual, and monthly news releases.

No. 1296. LOW-INCOME PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1960 TO 1985

[In thousands. As of Dec. 31. Housing for the elderly intended for persons 62 years old or over, disabled, or handicapped. Includes Puerto Rico and Virgin Islands. Covers units subsidized by HUD under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186-191.]

YEAR	Total	Occupied units ¹	Under construction	Other ²	YEAR	Total	Occupied units ¹	Under construction	Other ²
1960	593.3	478.2	36.4	78.8	1982	1,432.2	1,231.4	66.7	134.1
Elderly	18.9	1.1	4.1	13.7	Elderly	392.0	328.4	27.7	35.9
1970	1,155.3	893.5	126.8	135.0	1983	1,463.3	1,262.5	86.7	134.1
Elderly	249.4	143.4	65.7	40.3	Elderly	410.0	358.4	35.7	35.9
1975	1,316.7	1,180.4	52.9	63.4	1984	1,368.7	1,312.9	24.0	31.8
Elderly	336.3	258.3	24.3	23.7	Elderly	373.0	351.4	9.4	12.2
1980	1,321.1	1,195.6	20.9	104.6	1985	1,373.7	1,330.9	6.4	36.4
Elderly	358.3	317.7	11.5	29.1	Elderly	373.4	359.1	1.8	12.4
1981	1,404.0	1,229.3	51.5	123.2					
Elderly	385.4	327.7	21.8	35.9					

¹ Under management or available for occupancy. ² To be constructed or to go directly "under management" because no rehabilitation needed.

Source: U.S. Dept. of Housing and Urban Development, unpublished data.

No. 1297. RESIDENTIAL LOANS UNDERWRITTEN BY FHA: 1970 TO 1985

[In millions of dollars. Figures are gross amount of insurance written; do not take account of principal repayments on previously insured loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297]

LOAN	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
FHA-insured loans.....	11,982	7,941	13,000	16,098	22,848	22,301	14,976	14,105	31,651	17,749	28,369
Home mortgages: New properties.....	2,687	1,148	1,664	1,881	3,409	4,071	3,177	2,444	4,209	3,704	3,999
Existing properties.....	5,447	5,017	7,177	9,258	14,758	12,987	7,102	5,643	22,363	10,821	19,665
Project type mortgages.....	3,251	976	2,818	3,270	2,719	4,197	3,024	4,464	3,227	1,867	3,210
Property improvement loans ¹	617	799	1,341	1,688	1,962	1,646	1,574	1,554	1,852	1,357	1,195

¹ Not ordinarily secured by mortgages. Includes mobile home loans.

Source: U.S. Dept. of Housing and Urban Development, 1970-1979, *HUD Statistical Yearbook*; thereafter, unpublished data.

No. 1298. OFFICE BUILDINGS—VACANCY RATES, 1980 TO 1985, AND STATUS OF SUPPLY, 1985, BY MAJOR CITY

[As of December]

CITY	VACANCY RATE FOR EXISTING SPACE (percent)						SUPPLY STATUS, 1985 (mil. sq. ft.)			
	1980	1981	1982	1983	1984	1985	Existing space		Space under construction	
							Total	Available for lease		
Total.....	4.6	5.4	11.0	13.5	15.5	16.8	1,326.6	223.5	153.7	124.0
Atlanta, GA.....	10.0	13.6	16.8	13.7	14.5	21.0	57.7	12.1	8.0	7.4
Baltimore, MD.....	7.2	3.2	5.9	6.4	11.9	11.5	19.1	2.2	3.4	2.7
Boston, MA.....	3.8	4.7	7.8	4.4	8.9	13.1	76.2	10.0	8.7	7.5
Chicago, IL.....	7.0	6.4	6.9	12.6	14.8	16.5	145.0	23.9	17.0	14.3
Cleveland, OH.....	9.7	(NA)	6.7	17.1	14.7	18.1	26.6	4.8	1.4	1.3
Dallas, TX.....	8.8	8.4	18.6	21.5	18.7	23.0	96.9	22.3	19.0	14.4
Denver, CO.....	6.6	4.1	22.6	24.1	20.6	24.7	63.3	15.6	2.5	1.6
Fort Worth, TX.....	(NA)	(NA)	(NA)	(NA)	24.1	22.5	15.9	3.6	1.4	1.1
Hartford, CT.....	6.7	7.8	7.3	18.5	17.4	15.3	14.4	2.2	2.1	1.8
Houston, TX.....	4.0	7.6	20.3	26.9	25.0	27.8	139.2	38.4	1.9	1.9
Kansas City, MO.....	4.2	6.7	12.4	15.7	18.6	16.2	25.5	4.1	6.6	5.8
Los Angeles, CA.....	.9	5.5	12.3	14.0	20.4	15.3	137.2	21.0	16.1	13.4
Miami, FL.....	2.4	5.0	6.3	14.0	18.2	20.9	21.6	4.5	5.2	4.5
New Orleans, LA.....	(NA)	3.7	7.4	19.0	22.4	21.8	22.1	4.8	2.1	1.9
New York, NY ¹	3.1	3.6	4.9	5.0	6.8	7.8	157.0	12.4	18.4	9.0
Philadelphia, PA.....	6.3	5.7	12.8	9.6	9.0	14.5	43.7	6.4	6.0	4.9
Pittsburgh, PA.....	1.2	2.8	7.1	7.8	14.2	(NA)	(NA)	(NA)	(NA)	(NA)
San Diego, CA.....	(NA)	(NA)	25.3	22.9	21.8	24.7	20.7	5.1	2.9	2.7
San Francisco, CA.....	.4	4.2	7.3	11.3	9.0	13.7	58.8	8.1	3.4	3.4
Stamford, CT.....	(NA)	(NA)	(NA)	(NA)	18.9	15.6	34.7	5.4	3.2	3.1
Washington, DC.....	2.5	1.7	6.3	7.2	9.6	9.0	130.7	11.8	22.8	19.4
White Plains, NY.....	(NA)	(NA)	(NA)	(NA)	23.2	23.7	20.2	4.8	1.9	1.8

NA Not available. ¹ Refers to Manhattan.

Source: The Office Network®, Houston, TX, *National Office Market Report*, semi-annual.

Construction and Housing

NO. 1299. COMMERCIAL BUILDINGS—SELECTED CHARACTERISTICS, BY SQUARE FOOTAGE OF FLOORSPACE: 1983

[Excludes Alaska and Hawaii. Building type based on predominant activity in which the occupants were engaged. Excludes industrial buildings. Based on a sample survey building representatives conducted between March and August 1983; therefore, subject to sampling variability. For data on energy consumption and expenditures in commercial buildings, see tables 943 and 944. For composition of regions, see fig. I, inside front cover.]

CHARACTERISTIC	Num- ber of build- ings (1,000)	FLOORSPACE (mil. sq. ft.)							Aver- age sq. ft. per build- ing (1,000)	Median sq. ft. per build- ing (1,000)		
		Within all buildings having square footage of —										
		Total	5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over				
All buildings	3,948	52,325	4,808	5,246	8,912	7,692	7,168	18,399	13.3	4.0		
Region:												
Northeast.....	670	11,615	784	939	1,960	1,915	1,754	4,284	17.3	5.7		
Midwest.....	1,211	16,059	1,526	1,685	2,616	2,334	2,146	5,750	13.3	4.0		
South.....	1,493	17,049	1,971	1,685	2,923	2,176	2,199	6,094	11.4	3.3		
West.....	574	7,602	627	937	1,412	1,267	1,068	(S)	13.2	4.7		
Year constructed:												
1980 to 1983.....	140	5,675	127	163	523	479	794	3,590	40.5	9.0		
1974 to 1979.....	530	6,616	688	835	1,298	1,029	848	2,118	12.5	4.1		
1971 to 1973.....	209	3,442	249	320	496	654	556	1,168	16.4	5.1		
1961 to 1970.....	721	9,947	881	860	1,417	1,371	1,533	3,885	13.8	3.4		
1946 to 1960.....	646	9,612	1,187	1,279	1,699	964	1,265	3,219	10.2	3.1		
1921 to 1945.....	726	8,639	855	950	1,663	1,856	948	2,566	11.9	3.8		
1901 to 1920.....	388	5,453	514	600	1,049	1,010	942	1,337	14.1	5.1		
1900 or before.....	288	2,940	406	440	767	530	281	(S)	10.2	4.6		
Principal activity within building:												
Assembly.....	457	5,483	495	901	1,390	912	621	(S)	12.0	5.9		
Educational.....	177	6,044	113	182	560	1,322	1,619	2,248	34.2	18.1		
Food sales/service.....	380	2,051	636	343	568	209	179	(S)	5.4	2.8		
Health care.....	61	2,277	80	(S)	(S)	(S)	(S)	1,761	37.6	4.7		
Lodging.....	106	2,241	95	166	310	495	318	856	21.1	8.8		
Mercantile/services.....	1,071	10,427	1,433	1,562	2,013	1,065	1,089	(S)	9.7	3.5		
Office.....	575	8,454	749	803	1,236	976	933	3,757	14.7	4.1		
Residential.....	236	2,454	325	265	748	432	(S)	(S)	10.4	4.4		
Warehouse.....	425	6,791	448	446	1,202	1,203	1,198	2,293	16.0	4.8		
Other.....	179	2,760	175	186	405	350	214	1,428	15.4	3.4		
Vacant.....	281	3,342	368	314	410	582	614	1,054	11.9	3.3		
Number of establishments in building:												
None.....	142	1,475	218	(S)	137	187	342	300	10.4	3.1		
Single establishment.....	3,160	35,227	4,077	3,870	6,583	5,710	5,031	9,975	11.1	3.6		
Multi-establishment.....	645	15,823	613	1,202	2,212	1,795	1,794	8,007	24.2	7.5		
Government occupancy:												
Government occupied.....	346	10,099	327	378	959	1,356	1,551	5,529	29.2	7.2		
Not Government occupied.....	3,602	42,225	4,580	4,888	7,953	6,393	5,616	12,871	11.7	3.9		
Fuels used alone or in combination:												
Electricity.....	3,793	51,359	4,701	5,079	8,810	7,491	6,973	18,305	13.6	4.1		
Natural gas.....	2,314	37,090	2,732	3,522	6,081	5,484	4,980	14,342	16.0	5.0		
Fuel oil.....	633	13,313	743	886	1,656	1,425	1,509	7,093	21.0	5.1		
Propane.....	260	3,007	380	285	515	328	209	1,290	11.6	3.5		
Purchased steam.....	60	4,594	(S)	(S)	235	448	645	3,173	76.2	29.2		
Other.....	245	3,987	345	260	497	337	535	2,024	16.3	3.6		

S Figure does not meet publication standards.

Source: U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983*.

Commercial Buildings

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NO. 1300. COMMERCIAL BUILDINGS AND WORKERS—SELECTED BUILDING CHARACTERISTICS, BY FLOORSPACE: 1983

[See headnote, table 1299]

BUILDING CHARACTERISTICS	NUMBER OF BUILDINGS (1,000)							WORKERS		
	Total	Square footage of—						Number (1,000)	Average sq. ft. per worker	Median sq. ft. per worker
		5,000 or less	5,001 to 10,000	10,001 to 25,000	25,001 to 50,000	50,001 to 100,000	100,001 and over			
All buildings	3,948	2,248	725	567	222	107	79	77,673	674	714
Region:										
Northeast	670	306	131	130	58	27	18	16,633	698	849
Midwest	1,211	688	234	163	68	31	27	22,659	709	731
South	1,493	955	236	185	60	32	24	26,347	647	677
West	574	299	124	89	37	17	9	12,034	632	604
Principal activity within building:										
Assembly	457	209	122	86	27	9	4	5,998	914	1,087
Educational	177	45	24	33	37	24	14	6,131	986	971
Food sales/service	380	287	49	35	6	3	(S)	5,670	362	380
Health care	61	31	(S)	(S)	(S)	(S)	7	5,512	413	397
Lodging	106	42	23	19	14	5	3	2,373	944	1,176
Mercantile/services	1,071	666	217	131	30	17	10	13,914	749	735
Office	575	328	109	81	27	14	15	26,174	323	364
Residential	236	131	37	48	13	(S)	(S)	1,371	1,790	1,295
Warehouse	426	221	84	75	36	18	11	5,386	1,261	1,253
Other	179	111	24	25	10	3	5	3,624	762	604
Vacant	281	177	43	29	17	9	5	1,520	2,199	(X)
Government occupancy:										
Government occupied	346	153	51	61	39	23	19	17,149	589	544
Non-government occupied	3,602	2,095	674	507	183	84	59	60,524	698	731

S Figure does not meet publication standards.

Source: U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983*.

NO. 1301. COMMERCIAL BUILDINGS—NUMBER AND SQUARE FOOTAGE OF FLOORSPACE, BY TYPE OF BUILDING AND CHARACTERISTIC: 1983

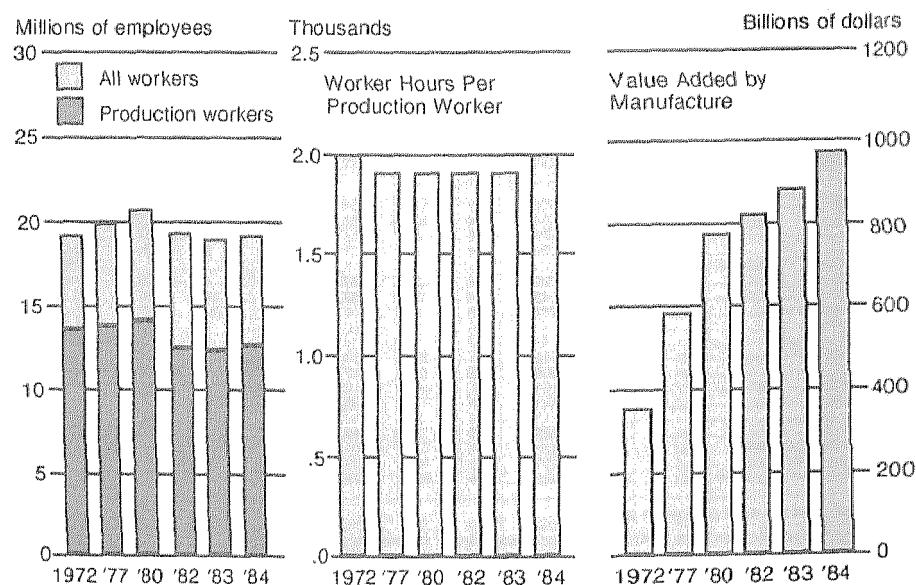
BUILDING CHARACTERISTICS	All buildings	Assembly	Educational	Food sales/ service	Health care	Lodging	Mercantile/ services	Office	Residential	Warehouse	Other
NUMBER (1,000)											
All buildings	3,948	457	177	380	61	106	1,071	575	236	425	460
Region:											
Northeast	670	61	28	58	11	13	183	97	97	57	66
Midwest	1,211	149	39	120	21	12	353	176	78	131	130
South	1,493	202	79	145	20	57	383	191	44	170	201
West	574	45	31	(S)	24	151	112	16	68	63	
Year constructed:											
1900 or before	288	51	(S)	24	(S)	(S)	71	35	54	20	22
1901 to 1920	388	66	11	43	(S)	(S)	95	41	45	41	31
1921 to 1945	726	69	24	55	6	15	194	107	69	80	104
1946 to 1960	946	102	58	78	19	35	311	97	38	98	110
1961 to 1970	721	87	45	76	10	27	187	121	(S)	81	72
1971 to 1973	209	19	6	23	(S)	12	52	45	(S)	22	—
1974 to 1979	530	50	20	70	12	7	139	100	(S)	65	57
1980 to 1983	140	14	10	12	3	3	21	28	(S)	18	30
Government occupancy:											
Government occupied	346	46	57	(S)	13	(S)	32	79	(S)	20	83
Non-government occupied	3,602	411	120	372	47	101	1,039	496	233	405	376
FLOORSPACE (mil. sq. ft.)											
All buildings	52,325	5,483	6,044	2,051	2,277	2,241	10,427	8,454	2,454	6,791	6,102
Region:											
Northeast	11,615	1,053	1,374	392	502	422	2,040	1,774	1,336	1,224	1,498
Midwest	16,059	1,755	1,834	724	1,015	669	3,219	2,178	717	2,130	1,818
South	17,049	1,835	2,082	816	587	803	3,843	2,903	299	2,288	1,813
West	7,602	(S)	754	320	193	346	1,325	1,599	103	1,149	973
Year constructed:											
1900 or before	2,940	373	(S)	129	(S)	(S)	488	429	609	315	263
1901 to 1920	5,453	791	435	249	(S)	(S)	882	715	517	915	394
1921 to 1945	8,639	799	1,084	206	215	523	1,345	1,388	721	1,096	1,263
1946 to 1960	9,612	1,142	1,623	368	751	301	2,120	986	278	1,348	716
1961 to 1970	9,947	896	1,494	390	346	647	1,979	1,773	1,730	1,406	832
1971 to 1973	3,442	318	357	163	(S)	255	736	625	(S)	363	—
1974 to 1979	6,616	654	674	376	505	213	1,485	1,370	(S)	797	509
1980 to 1983	5,675	(S)	274	171	130	154	(S)	1,169	(S)	552	1,255
Government occupancy:											
Government occupied	10,099	651	2,625	(S)	552	258	(S)	2,197	(S)	373	1,682
Non-government occupied	42,225	4,831	3,419	1,913	1,725	1,983	8,859	6,257	2,400	6,418	4,420

— Represents zero. S Figure does not meet publication standards.

¹ Includes vacant commercial buildings.

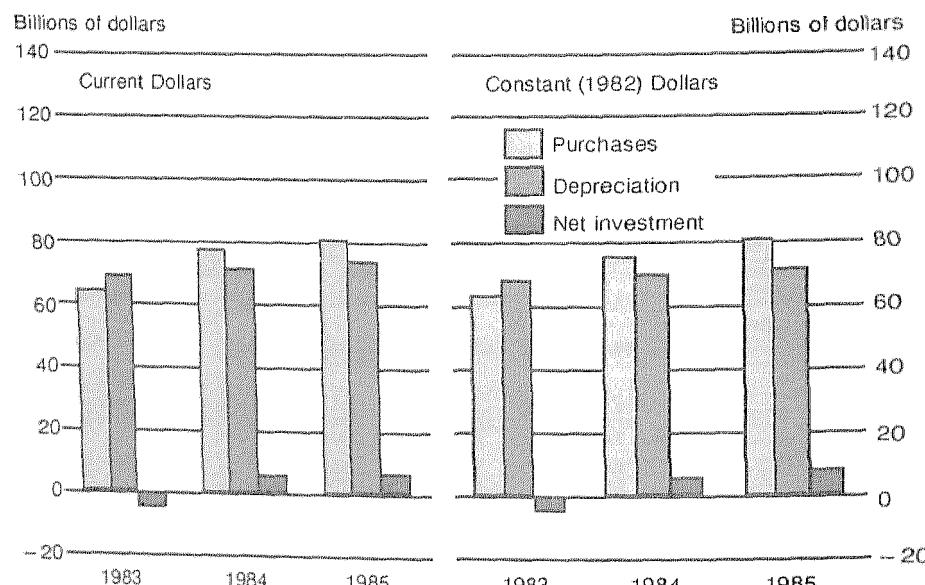
Source U.S. Energy Information Administration, *Characteristics of Commercial Buildings, 1983*.

Figure 28.1

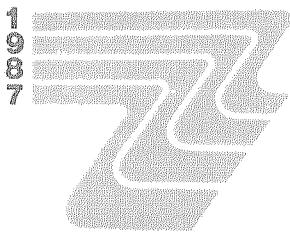
Manufactures – Summary: 1972 to 1984

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1303.

Figure 28.2

Capital in Manufacturing Establishments: 1983 to 1985

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1308.



Section 28

Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected specific products. The types of measures shown at the different levels include data for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; value and quantity of production and shipments; value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are Bureau of the Census reports of the censuses of manufactures conducted every five years; the *Annual Survey of Manufactures*; and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are compiled by such government agencies as the Bureau of Labor Statistics; the Economic Research Service of the Department of Agriculture; the International Trade Administration; and by private research or trade associations such as The Conference Board, Inc., New York, and the American Iron and Steel Institute, Washington, DC.

Data on financial aspects of manufacturing industries are collected by the Bureau of Economic Analysis (BEA) and the Bureau of the Census. Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. See also Section 18, Business Enterprise, in this edition.

Censuses and annual surveys.—The first census of manufactures covered the year 1809. Between 1809 and 1963, a census was conducted at periodic intervals. Since 1967 it has been taken every 5 years (for years ending in "2" and "7"). Census data, either direct reports or estimates from administrative records, are obtained for every manufacturing plant with one employee or more.

The Annual Survey of Manufactures, conducted for the first time in 1949, collects data for the years between censuses for the more general measures of manufacturing activity covered in detail by the censuses. The annual survey data are estimates derived from a scientifically selected sample of establishments. The most recent, 1984, annual survey is based on a sample of about 56,000 establishments of an approximate total of 350,000. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative selection of the more numerous small plants. Government-owned and operated establishments are excluded.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for both the annual surveys and the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the 15th of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. In 1967, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November to provide data more comparable with other statistical series.

Establishments and classification.—The censuses of manufactures for 1947 through 1982 cover operating manufacturing establishments as defined in the *Standard Industrial Classification Manual (SIC)*, issued by the U.S. Office of Management and Budget (see text, section 13). The *Manual* is also used for classifying establishments in the annual surveys. The comparability of manufactures data over time is affected by changes in the official definitions of industries as presented in the *Manual*. It is important to note therefore, that the 1972 edition of the *Manual* was used for the 1972 census; and the 1972 edition of the *Manual* and the 1977 *Supplement* was used for the 1977 and 1982 censuses while the 1967 *Manual* was used for the 1967 census. For the censuses from 1947 to 1963, reports were required from all establishments employing one or more persons at any time during the census year. Beginning with the 1967 census, an effort was made to relieve the very small establishments from the necessity of filing a census report. Approximately 130,000 small single-unit manufacturing firms identified as having less than 20 employees (cutoff varied by

industry) benefited from this procedure. Data for these single unit companies were estimated on the basis of government administrative records and industry averages. Each of the establishments tabulated was classified in one of the approximately 450 manufacturing industries as defined by the *SIC Manual* in 1972, 1977, and 1982. The *Manual* defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of a product or product group exceeds in value added its production of any other product group. While some establishments produce only the products of the industry in which they are classified, few within an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect both the primary and secondary activities of the establishments in that industry. For this reason care should be exercised in relating such statistics to the total shipments figures of products primary to the industry.

The censuses for 1947 through 1982 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, see Appendix V.

NO. 1302. GROSS NATIONAL PRODUCT IN MANUFACTURING: 1963 TO 1985

[In billions of dollars, except percent. For definition of gross national product, see text, section 14. Based on 1972 Standard Industrial Classification]

ITEM	1963	1967	1972	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total manufacturing.....	168	223	293	409	465	519	562	581	643	635	683	767	796
Percent of gross national product.....	28	27	24	23	23	23	22	21	21	20	20	20	20
Durable goods.....	98	134	173	240	278	317	345	352	386	363	386	447	463
Percent of total mfg.....	58	60	59	59	60	61	61	61	60	57	56	55	58
Machinery, except electrical.....	16	24	31	47	55	62	71	77	86	80	75	89	95
Electric and electronic equipment.....	14	20	25	33	40	46	49	55	61	62	68	76	81
Fabricated metal products.....	11	17	21	31	35	40	45	46	50	46	48	54	55
Other transportation equipment.....	10	14	14	18	19	22	25	28	29	32	40	45	49
Primary metal industries.....	13	18	21	31	34	41	45	44	50	35	30	36	35
Motor vehicles and equipment.....	15	16	23	29	36	38	36	27	32	29	39	50	50
Instruments and related products.....	4	6	8	11	13	15	17	19	22	23	24	25	26
Stone, clay, and glass products.....	5	7	10	14	15	18	20	19	19	18	20	23	24
Lumber and wood products.....	5	6	10	13	16	19	21	19	17	16	21	24	23
Misc. manufacturing industries.....	3	4	5	7	8	8	9	10	12	11	10	12	12
Furniture and fixtures.....	2	3	5	6	7	8	8	9	9	10	11	13	13
Nondurable goods.....	70	89	120	170	188	201	217	229	257	272	298	320	333
Percent of total mfg.....	42	40	41	41	40	39	39	39	40	43	44	42	42
Food and kindred products.....	18	22	28	40	43	45	48	52	58	61	65	68	70
Chemicals and allied products.....	13	16	22	35	38	40	44	46	53	55	60	64	66
Petroleum and coal products.....	4	6	8	13	15	15	15	17	20	24	28	30	32
Printing and publishing.....	8	11	15	21	23	26	29	32	35	38	42	47	52
Paper and allied products.....	6	8	11	17	18	20	22	23	25	27	28	32	35
Rubber and miscellaneous plastic products.....	4	5	9	12	14	16	17	17	19	19	22	25	26
Apparel and other textile prod.....	6	8	10	13	15	15	16	17	19	19	20	21	20
Textile mill products.....	5	7	10	12	14	14	15	15	16	15	17	17	16
Tobacco manufactures.....	4	4	4	6	6	7	7	7	8	8	9	12	12
Leather and leather products.....	2	2	2	3	3	3	3	4	4	4	4	3	3

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

Manufactures—Summary

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NO. 1303. MANUFACTURES—SUMMARY: 1958 TO 1984

[For establishment coverage, see text, section 28. Data based on Census of Manufactures, except as noted. For composition of regions, see fig. 1 inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12.]

ITEM	Unit	1958	1963	1967	1972	1977	1980 ¹	1981 ¹	1982	1983 ¹	1984 ¹
ALL ESTABLISHMENTS											
Number of establishments²		1,000.....	303	312	311	321	360	(NA)	(NA)	358	(NA)
With 20 or more employees		1,000.....	95	102	110	114	119	(NA)	(NA)	123	(NA)
Employee size-class:											
Establishments ³	1,000.....	299	305	306	313	351	(NA)	(NA)	348	(NA)	(NA)
Under 20.....	1,000.....	203	207	199	203	237	(NA)	(NA)	230	(NA)	(NA)
20-99.....	1,000.....	68	70	74	76	78	(NA)	(NA)	84	(NA)	(NA)
100-249.....	1,000.....	17	18	20	21	22	(NA)	(NA)	21	(NA)	(NA)
250-999.....	1,000.....	10	10	11	11	12	(NA)	(NA)	11	(NA)	(NA)
1,000 and over.....	1,000.....	3	3	3	3	2	(NA)	(NA)	2	(NA)	(NA)
Form of organization:											
Corporate.....	1,000.....	162.7	176.2	153.9	233.2	284.2	(NA)	(NA)	283.2	(NA)	(NA)
Noncorporate, total ⁴	1,000.....	135.4	130.4	33.2	87.5	75.7	(NA)	(NA)	74.0	(NA)	(NA)
Individual proprietorship.....	1,000.....	91.3	99.2	24.9	42.5	52.3	(NA)	(NA)	45.6	(NA)	(NA)
Partnership.....	1,000.....	42.0	27.7	6.7	17.7	18.3	(NA)	(NA)	15.0	(NA)	(NA)
Region:											
Northeast.....	Percent.....	(NA)	29.8	29.1	26.3	23.7	24.2	(NA)	23.7	(NA)	(NA)
Midwest.....	Percent.....	(NA)	35.4	35.0	34.9	34.4	31.1	(NA)	29.8	(NA)	(NA)
South.....	Percent.....	(NA)	21.5	22.7	25.5	27.4	28.5	(NA)	29.5	(NA)	(NA)
West.....	Percent.....	(NA)	13.3	13.0	13.4	14.5	16.2	(NA)	17.0	(NA)	(NA)
All employees,⁵ annual average⁶	Million.....	16.0	17.0	19.3	19.0	19.6	20.6	20.3	19.1	18.7	19.1
Payroll, all employees.....	Bil. dol.	78	100	132	174	264	350	378	380	395	429
Payroll per employee.....	\$1,000.....	4.9	5.9	6.8	9.2	13.5	17.0	18.7	19.9	21.1	24.0
Production workers, annual average	Million.....	11.7	12.2	14.0	13.5	13.7	13.9	13.5	12.4	12.2	12.6
Percent of all employees.....	Percent.....	73.1	71.8	72.2	71.1	69.9	67.3	66.8	64.9	65.0	70.4
Hours, production workers.....	Billion.....	22.7	24.5	27.8	26.7	26.7	26.7	26.2	23.5	23.6	24.6
Hours per worker.....	1,000.....	1.9	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0
Wages, production workers	Bil. dol.....	50	62	81	106	157	198	212	205	212	232
Percent of payroll for all employees.....	Percent.....	64.1	62.0	61.8	60.6	59.5	56.6	56.0	53.9	53.8	54.1
Wages per worker.....	\$1,000.....	4.3	5.1	5.8	7.8	11.5	14.3	15.7	16.5	17.4	18.4
Wages per worker hour.....	Dollar.....	2.19	2.53	2.92	3.95	5.89	7.41	8.09	8.70	8.99	9.41
Value added by manufacture⁷	Bil. dol.....	142	192	262	354	585	774	838	824	882	984
Per production worker.....	Bil. dol.	12.1	15.7	18.8	26.2	42.7	55.7	61.8	68.5	72.4	78.2
Per production worker hour.....	Dollar.....	6.25	7.83	9.41	13.26	21.93	28.98	31.98	35.01	37.38	39.92
Per dollar of workers' wages.....	Dollar.....	2.84	2.90	3.22	3.36	3.72	3.91	3.95	4.02	4.16	4.24
Cost of materials	Bil. dol.....	(NA)	230	299	407	782	1,094	1,194	1,130	1,170	1,288
Value of shipments ⁸	Bil. dol.	(NA)	421	557	757	1,359	1,853	2,018	1,980	2,058	2,254
Per production worker.....	\$1,000.....	(NA)	34.4	39.9	55.9	99.2	133.3	149.0	158.1	168.5	179.1
End-of-year inventories.....	Bil. dol.	48	80	84	108	188	262	279	307	308	330
Capital expenditures, new ⁹	Bil. dol.	9.5	11.4	21.5	24.1	47.5	70.1	78.6	75.0	61.9	75.3
Ratios:											
Value added to shipments.....	Ratio.....	(NA)	45.6	47.0	46.7	42.9	41.8	41.5	42.0	42.9	43.7
Inventories to shipments.....	Ratio.....	(NA)	14.2	15.0	14.2	13.8	14.1	13.8	15.7	15.0	14.8
Payroll to value added.....	Ratio.....	54.9	52.0	50.3	49.1	45.2	45.3	45.2	46.1	44.8	43.6
Gross book value of depreciable assets.....	Bil. dol.	(NA)	158	218	301	439	574	630	692	731	(NA)
Machinery and equipment.....	Bil. dol.	(NA)	157	218	328	434	479	527	559	559	(NA)
Assets per employee.....	\$1,000.....	(NA)	9.3	11.3	16.4	22.4	27.8	31.1	36.2	39.1	(NA)
MULTIUNIT COMPANIES											
Establishments.....	1,000.....	41.9	45.9	51.7	70.2	81.2	(NA)	(NA)	81.7	(NA)	(NA)
Employees.....	Million.....	10.1	11.0	13.3	14.3	15.0	(NA)	(NA)	14.3	(NA)	(NA)
Production workers.....	Million.....	7.2	8.1	9.8	9.8	10.1	(NA)	(NA)	8.8	(NA)	(NA)
Payroll, all employees.....	Bil. dol.	51.8	68.2	93.8	138.8	214.2	(NA)	(NA)	307.5	(NA)	(NA)
Wages, production workers.....	Bil. dol.	33.5	44.7	60.9	81.9	124.9	(NA)	(NA)	159.1	(NA)	(NA)
Value added by manufacture.....	Bil. dol.	105.3	146.6	205.4	286.1	485.0	(NA)	(NA)	678.4	(NA)	(NA)
Capital expenditures, new.....	Bil. dol.	7.5	8.9	18.6	20.0	41.0	(NA)	(NA)	65.2	(NA)	(NA)
SINGLE UNIT COMPANIES¹⁰											
Establishments.....	1,000.....	256.3	260.8	254.0	250.5	278.7	(NA)	(NA)	276.3	(NA)	(NA)
Employees.....	Million.....	5.3	5.2	5.2	4.8	4.6	(NA)	(NA)	4.8	(NA)	(NA)
Payroll, all employees.....	Bil. dol.	21.8	25.1	28.5	35.4	49.8	(NA)	(NA)	72.1	(NA)	(NA)
Value added by manufacture.....	Bil. dol.	37.9	45.5	55.5	67.9	100.1	(NA)	(NA)	145.7	(NA)	(NA)

NA Not available. ¹ Estimated data based on *Annual Survey of Manufactures*; see text, section 28. ² Includes administrative and auxiliary units, except as noted. ³ Excludes administrative offices and auxiliary units. ⁴ Includes forms of organization not shown separately. ⁵ Includes data for employees of manufacturing establishments engaged in distribution and construction work. ⁶ Data are based on pay periods ending nearest 15th of March, May, August, and November. ⁷ Adjusted value added; takes into account (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. ⁸ Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification. ⁹ Includes plants under construction and not yet in operation. ¹⁰ Beginning 1967, includes data obtained from Federal administrative records.

NO. 1304. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1984

[Data based on various editions of the Standard Industrial Classification Manual, published by the Office of Management and Budget; see text, section 28. See also Historical Statistics, Colonial Times to 1970, series P-58-67.]

Industry code, INDUSTRY GROUP	1984															
	1982					1984										
	1977		All employees		All employees	All employees		All employees		Production workers						
Establishments (number)	Establishments (number)	Value added by manufacture (mil. dol.)	Payroll (mil. dol.)	Number (1,000)	Payroll (mil. dol.)	Number (1,000)	Payroll (mil. dol.)	Number (1,000)	Payroll (mil. dol.)	Wages (mil. dol.)						
Establishments (number)	Establishments (number)	Value added by manufacture (mil. dol.)	Payroll (mil. dol.)	Number (1,000)	Payroll (mil. dol.)	Number (1,000)	Payroll (mil. dol.)	Number (1,000)	Payroll (mil. dol.)	Wages (mil. dol.)						
(x) All manufacturing establishments, incl. central administrative offices.....	359,926	19,590	264,013	585,166	358,061	19,094	379,527	824,118	1,980,206	19,140	428,656	12,581	231,976	983,646	2,253,847	
20 Food and kindred products.....	26,655	1,520	18,544	56,052	22,300	1,486	26,988	88,419	280,529	1,437	27,350	1,010	17,081	98,037	390,012	
201 Meat products.....	4,534	308	3,702	5,648	3,623	318	4,993	11,002	67,602	300	4,612	251	3,630	11,826	68,576	
202 Dairy products.....	3,731	154	1,839	5,648	2,724	140	5,053	9,360	28,771	140	2,748	84	1,526	9,403	40,401	
203 Preserved fruits and vegetables.....	2,379	235	2,336	6,615	2,093	220	3,315	12,353	23,874	219	3,261	183	2,776	14,142	34,058	
204 Grain mill products.....	3,043	113	1,576	6,626	2,745	108	2,197	10,333	31,386	102	2,341	70	1,524	11,837	34,976	
205 Sugar and confectionery products.....	3,386	222	2,866	7,073	2,683	217	4,073	10,650	17,808	209	4,296	121	2,222	11,766	19,387	
206 Fats and oils.....	1,198	105	1,206	4,151	1,023	95	1,023	1,981	6,234	96	1,628	76	1,300	7,108	17,228	
207 Beverages.....	869	41	561	1,905	724	739	2,785	1,752	15,576	38	7,91	26	4,84	2,923	17,551	
208 Knic. foods and kindred products.....	3,104	195	2,849	9,901	2,584	1,94	4,244	16,684	38,801	186	4,460	90	2,116	16,288	41,181	
209 Miscellaneous food and kindred products.....	4,412	146	1,509	5,556	3,941	138	2,900	10,017	23,959	148	4,214	109	3,503	10,745	25,053	
21 Tobacco products.....	228	61	751	4,334	163	58	1,224	8,985	16,061	52	1,354	39	933	10,787	17,446	
211 Cigarettes.....	14	39	568	3,803	14	42	1,094	8,098	12,127	37	1,123	27	796	9,538	13,388	
212 Cigars.....	101	8	55	180	126	60	5	59	133	254	4	51	4	37	136	248
213 Chewing and smoking tobacco.....	35	3	32	189	29	3	52	421	665	3	52	2	35	545	805	
214 Tobacco stemming and reeling.....	78	11	96	217	60	8	52	120	313	3,015	8	128	6	75	568	2,448
22 Textile mill products.....	7,202	876	7,881	16,105	6,630	717	9,046	18,550	47,515	711	10,192	611	7,832	22,110	55,489	
221 Weaving mills, cotton.....	314	117	1,047	1,945	269	777	1,965	1,638	3,972	70	1,000	63	844	1,929	4,347	
222 Weaving mills, mammal fiber.....	449	151	1,429	2,791	523	141	1,815	3,489	8,191	131	2,005	115	1,614	4,012	9,274	
223 Weaving, finishing mills, wool.....	165	15	137	313	131	13	176	349	783	14	211	12	182	462	1,016	
224 Narrow fabric mills.....	335	21	172	351	281	18	216	465	852	18	240	16	177	555	995	
225 Knitting mills.....	2,617	236	1,911	3,863	2,334	205	2,327	4,985	10,986	207	2,613	176	1,966	5,600	11,960	
226 Textile finishing, except wool.....	678	72	734	1,417	753	58	1,590	4,972	15,550	56	4,972	46	6,655	2,020	5,772	
227 Floor covering mills.....	592	56	557	1,530	505	42	603	1,712	5,808	48	7,779	38	538	2,251	7,983	
228 Yarn and thread mills.....	788	141	1,184	2,255	714	109	2,276	2,318	7,036	110	1,484	100	1,219	2,482	8,837	
229 Misc. textile goods.....	1,254	68	1,254	706	1,641	1,120	56	853	2,005	4,935	58	966	46	677	5,886	8,837
23 Apparel, other textile products.....	26,507	1,334	9,659	19,671	24,391	1,189	12,129	26,061	53,388	1,152	12,877	977	9,280	28,859	57,578	
231 Men's and boys' suits and coats.....	737	99	822	1,574	529	75	1,678	1,983	3,982	74	917	64	672	1,789	3,209	
232 Men's and boys' furnishings.....	3,013	365	2,340	4,935	2,544	10,838	419	4,110	6,921	12,227	303	3,068	259	3,226	13,804	
233 Women's and misses' outerwear.....	11,834	448	3,153	6,430	10,838	419	12,250	18,576	38,886	40,000	3,323	3,068	338	2,816	18,053	
234 Women's, children's undergarments.....	878	613	613	755	755	82	783	1,722	3,323	80	86	86	629	887	3,656	

See footnotes at end of table.

No. 1304. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1984—Continued

[See headnote, p. 724]

Indus- try code, 1	INDUSTRY GROUP	1977						1982						1984					
		All employees			Establish- ments (num- ber)			All employees			Value added by manu- facture, 3 (mil. doll.)			All employees			Production workers		
		Num- ber (1,000)	Pay- roll (mil. doll.)	Value added by manu- facture, 3 (mil. doll.)	Num- ber (1,000)	Pay- roll (mil. doll.)	Value added by manu- facture, 3 (mil. doll.)	Num- ber (1,000)	Pay- roll (mil. doll.)	Value added by manu- facture, 3 (mil. doll.)	Num- ber (1,000)	Pay- roll (mil. doll.)	Value added by manu- facture, 3 (mil. doll.)	Num- ber (1,000)	Pay- roll (mil. doll.)	Value added by manu- facture, 3 (mil. doll.)	Num- ber (1,000)	Wages (mil. doll.)	
Apparel, other products—Con.	409	15	105	186	419	16	157	285	522	16	167	14	124	304	611	304	611		
Hats, caps, and millinery.....	1,002	71	459	879	968	71	671	1,446	2,711	65	658	55	482	1,454	2,695	1,454	2,695		
Children's outerwear.....	620	4	52	113	504	3	132	1,132	419	47	535	39	363	1,125	368	1,125	368		
Fur goods.....	298	56	408	845	1,223	50	1,098	2,118	10,281	178	2,538	148	1,837	5,881	12,969	1,837	5,881		
Misc. apparel and accessories.....	1,294	185	1,707	3,459	6,611	174	4,498	2,100	10,353	542	7,860	72	1,114	2,939	54,679	72	1,114		
Misc. fabricated textile products.....	6,728	692	7,425	16,223	32,084	576	8,445	15,377	42,935	643	1,267	85	1,365	8,968	8,968	1,267	8,968		
Lumber and wood products.....	37,302	83	1,005	2,419	11,558	81	1,238	2,502	6,774	11,132	171	2,796	150	2,659	4,571	14,571	4,571		
Logging, camps, log contractors.....	15,459	211	2,228	4,975	7,403	158	2,306	3,748	11,132	203	3,443	169	2,557	6,692	16,472	2,557	6,692		
Sawmills, planing mills, and structural members.....	9,000	197	2,216	4,701	6,545	165	2,596	4,460	11,683	203	3,418	20	313	812	2,013	313	812		
Millwork, plywood, and structural members.....	6,149	39	300	540	2,250	36	3,931	703	1,635	35	1,035	53	713	2,110	6,010	713	2,110		
Wood containers.....	1,949	300	540	1,789	1,163	70	1,741	4,955	6,100	52	1,035	53	894	2,958	6,625	894	2,958		
Wood buildings and mobile homes.....	1,165	80	858	1,780	3,965	67	2,223	5,255	82	1,267	68	894	2,958	6,625	894	2,958			
Miss. wood products.....	3,570	83	813	1,800	3,965	436	8,922	6,084	12,829	474	7,445	384	5,149	15,906	30,000	5,149	15,906		
Furniture and fixtures.....	10,295	464	4,448	5,747	10,003	436	5,755	6,455	12,776	279	3,776	237	2,783	7,699	15,545	3,776	2,783		
Household furniture.....	6,161	310	523	5,213	5,755	263	3,152	6,455	1,051	2,477	4150	66	1,328	49	868	3,387	5,505		
Office furniture.....	523	45	569	1,236	700	59	1,205	579	1,103	21	320	52	1,269	414	1,317	4,679	1,317		
Public building, related furniture.....	420	20	214	4,145	4,118	16	1,025	2,080	3,710	60	1,025	52	854	2,599	4,679	854	2,599		
Partitions and fixtures.....	2,134	57	675	1,311	2,448	16	1,025	2,080	3,710	60	1,025	52	854	2,599	4,679	854	2,599		
Misc. furniture and fixtures.....	997	32	347	1,267	36	717	1,267	3,290	41	1,267	36	681	31	1,527	4,954	4,954	4,954		
Paper and allied products.....	6,545	629	8,943	22,171	6,381	606	12,948	33,376	79,895	613	14,884	468	10,516	40,885	94,814	10,516	40,885		
Pulp mills.....	45	16	293	906	43	17	488	1,114	3,110	17	549	13	412	1,539	3,841	13	412		
Papermills, except building paper.....	339	127	2,167	5,407	299	129	3,431	8,954	20,995	130	4,022	101	3,033	11,166	25,302	101	3,033		
Paperboard mills.....	249	68	1,176	3,031	222	56	1,502	3,740	9,531	58	1,678	45	1,272	5,239	14,084	45	1,272		
Misc. converted paper products.....	2,994	207	2,608	7,252	3,006	213	3,961	12,014	26,701	217	4,515	165	3,052	14,084	30,794	217	3,052		
Paperboard containers and boxes.....	2,850	204	2,602	5,252	2,781	188	3,517	7,396	19,192	190	4,033	144	2,676	8,822	22,635	144	2,676		
Building paper and board mills.....	59	97	30	2,381	2,381	4	1,267	71	966	4	88	3	69	195	488	3	69		
Printing and publishing.....	49,767	1,092	14,025	31,980	53,406	1,292	22,707	54,423	85,797	1,325	26,232	733	12,916	67,022	103,552	12,916	67,022		
Newspapers.....	8,867	350	4,306	9,519	8,646	402	6,555	12,776	13,767	1,276	7,357	149	2,717	18,832	25,302	2,717	18,832		
Periodicals.....	2,994	106	1,020	3,735	3,228	94	1,986	6,911	11,478	94	2,232	16	251	8,394	14,084	251	8,394		
Books.....	2,694	106	1,020	4,291	2,811	112	2,090	6,721	10,132	12	2,449	48	1,622	8,394	14,084	12	1,622		
Misc. publishing.....	2,352	42	503	1,291	2,057	45	706	2,871	4,221	42	2,700	486	1,776	11,852	33,724	17,111	11,852		
Commercial printing.....	26,815	356	4,702	8,551	23,735	452	8,077	15,738	27,700	486	8,607	383	6,377	19,052	33,724	383	19,052		
Manufactured business forms.....	795	45	575	1,429	810	50	934	2,491	5,059	54	11,171	39	7,500	13,204	6,237	7,500	13,204		
Graphic art publishing.....	166	18	227	635	154	21	344	1,349	2,803	20	3,036	11	169	2,384	6,237	11	169		
Bookbinding.....	149	57	1,149	1,487	61	903	1,964	2,803	2,803	61	1,034	47	713	2,384	6,237	713	2,384		
Printing trades services.....	3,592	48	735	1,268	4,178	56	1,102	2,017	2,584	59	1,265	44	870	2,389	6,237	870	2,389		

Manufacturers

NO. 1304. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1984—Continued

[See headnote, p. 724]

Industry code ¹	Industry group	1977				1982				1984			
		All employees		Establishments (number)	Value added by manufacture ³ (mil. dol.)	All employees		Establishments (number)	Value added by manufacture ³ (mil. dol.)	All employees		Establishments (number)	Value added by manufacturer ³ (mil. dol.)
		Pay-roll (mil. dol.)	Number (1,000)			Pay-roll (mil. dol.)	Number (1,000)			Pay-roll (mil. dol.)	Number (1,000)		
28	Chemicals and allied products	12,173	880	56,771	11,901	20,836	77,315	176,737	843	11,447	94,728	198,238	
281	Industrial inorganic chemicals	6,447	110	5,671	1,365	108	8,829	17,280	104	1,571	10,416	19,838	
282	Plastics materials, synthetics	2,471	157	7,843	6,006	141	3,451	9,402	132	2,280	13,578	35,412	
283	Drugs	2,460	156	9,390	1,281	165	3,969	16,991	167	4,471	82	28,967	
284	Sodas, cleaners, toilet goods	1,526	112	9,407	2,579	127	2,581	15,282	26,031	125	2,913	16,194	
285	Paints and allied products	1,579	61	9,883	2,621	144	4,005	11,518	55	1,587	73	28,532	
286	Industrial organic chemicals	8,719	153	2,794	12,675	9,689	12,341	38,157	131	4,183	78	10,836	
287	Agricultural chemicals	1,325	54	784	3,808	1,127	1,156	5,097	45	1,162	23	44,208	
288	Misc. chemical products	2,766	77	3,539	2,733	82	1,725	5,453	12,380	83	1,937	51	15,738
29	Petroleum and coal products	2,286	147	2,716	16,378	2,322	152	4,338	22,069	137	4,380	90	14,625
291	Petroleum refining	349	103	2,055	14,424	433	106	3,398	19,247	95	3,226	61	16,163
295	Paving and roofing materials	1,297	32	481	1,272	1,307	30	629	1,743	59,948	688	12,433	189,011
299	Misc. petroleum and coal products	560	12	180	682	582	14	312	1,079	3,614	14	366	177,892
30	Rubber and miscellaneous plastics products	11,943	721	8,536	19,740	13,449	682	11,597	27,219	55,416	732	13,987	34,183
301	Tires and inner tubes	114	1,832	4,547	16,641	70	1,724	4,680	9,340	70	2,088	56	9,439
302	Rubber, plastic footwear	200	20	159	272	65	18	7,97	360	706	15	182	5,312
303	Recycled rubber	84	1	12	25	25	1	11	23	45	2	14	10
304	Rubber and plastics hose, belting	146	34	974	2,352	162	25	503	1,028	1,946	540	18	3,447
306	Fabricated rubber products, n.e.c.	1,280	98	1,164	1,380	89	1,561	3,213	6,366	92	1,837	70	1,338
307	Misc. plastics products	10,212	454	4,912	11,770	11,653	479	7,581	17,935	37,013	528	9,335	6,143
31	Leather and leather products	3,075	243	1,860	3,719	2,735	200	2,219	4,773	9,719	170	2,046	145
311	Leather tanning and finishing	1,665	23	255	535	384	20	311	580	1,753	177	292	1,483
312	Boot, shoe or stock, findings	190	9	65	103	161	7	81	155	368	6	74	212
313	Footwear, except rubber	811	146	1,032	2,070	751	121	1,250	2,809	5,289	101	1,126	5
314	Leather gloves and mittens	101	6	34	68	96	4	37	73	175	4	34	867
316	Luggage	298	19	164	328	292	16	194	433	788	15	207	11
317	Handbags and other personal leather goods	32	242	472	636	25	271	415	564	1,035	21	239	153
319	Leather goods, n.e.c.	532	9	68	137	76	7	160	327	74	52	52	982

Industry Groups

727

Industry code ¹	Industry group	1977				1982				1984				
		All employees Establishments (number) (1,000)	Pay-roll (mil. doll.)	Value added by manu- facture ³ (mil. doll.)	Establish- ments (num- ber) (mil. num- ber) (1,000)	All employees Pay-roll (mil. doll.)	Value added by manu- facture ³ (mil. doll.)	Establish- ments (num- ber) (mil. num- ber) (1,000)	All employees Pay-roll (mil. doll.)	Value added by manu- facture ³ (mil. doll.)	Establish- ments (num- ber) (mil. num- ber) (1,000)	Value added by manu- facture ³ (mil. doll.)		
32	Stone, clay, and glass products...													
321	Flat glass, pressed or blown...	17,744	614	7,943	19,130	16,545	532	10,087	22,985	45,181	53,333	11,224	416	
322	Glass, pressed or blown...	62	22	401	931	69	15	4,414	847	1,666	1,639	16	416	
323	Products of purchased glass...	508	117	1,548	3,592	459	97	2,032	4,482	7,941	7,026	67	7,017	
324	Cement, hydraulic...	1,101	36	429	1,960	1,337	41	2,337	2,977	1,484	1,834	43	1,816	
325	Structural clay products...	711	45	486	1,672	237	25	628	1,816	3,542	568	638	17	5,734
326	Pottery and related products...	934	43	460	1,894	910	30	491	989	1,668	1,421	641	29	4,183
327	Concrete, gypsum, plaster products...	10,844	184	2,367	5,391	9,933	167	2,985	6,603	14,947	1,762	655	30	2,596
328	Cut stone and stone products...	933	13	1,322	2,322	711	11	156	295	5,555	1,187	131	9	2,070
329	Misc. nonmetallic mineral products...	2,390	126	1,635	4,385	2,261	109	2,079	5,296	9,924	2,313	80	80	12,014
33	Primary metal industries...	7,375	1,114	18,745	37,588	7,081	854	20,683	33,291	104,667	20,909	623	15,108	42,281
331	Blast furnace and basic steel prod- ucts...	530	10,16	18,318	10,986	366	10,222	14,722	46,120	323	9,284	247	6,764	18,550
332	Iron and steel foundries...	1,465	222	3,329	6,237	1,438	157	3,113	5,362	9,642	147	3,515	119	5,175
333	Primary nonferrous metals...	160	57	1,032	5,177	161	44	1,337	2,311	11,321	41	3,515	119	11,315
334	Secondary nonferrous metals...	460	19	270	7,989	458	19	402	620	4,852	18	1,300	31	9,194
335	Nonferrous rolling and drawing...	1,002	177	2,640	1,044	1,960	1,022	1,67	3,636	6,822	167	405	13	5,309
336	Nonferrous foundries...	1,832	82	1,932	1,444	1,907	75	1,355	6,245	25,463	167	4,067	126	8,838
339	Misc. primary metal products...	1,180	26	345	753	1,007	26	488	998	4,603	83	1,738	67	3,019
34	Fabricated metal products...	33,712	1,556	21,036	45,152	35,560	1,460	28,233	56,928	119,444	1,982	31,844	112	67,645
341	Metal cans, shipping containers...	587	72	1,247	3,644	566	59	1,533	4,443	12,172	65	1,590	45	12,644
342	Cutlery, handtools, hardware...	1,187	169	2,179	5,177	7,989	2,338	1,177	4,231	7,849	30,207	115	2,772	12,239
343	Plumbing and heating, exc. electric...	1,015	53	637	1,574	1,022	458	821	2,023	4,003	48	934	35	4,628
344	Fabricated structural metal products...	1,817	426	5,492	11,765	12,681	422	7,897	15,466	34,904	394	8,895	283	15,489
345	Screw machine products, bolts, etc...	627	105	1,414	2,884	2,690	94	1,727	3,309	5,834	96	2,021	75	4,384
346	Metal forgings, stampings...	3,715	288	4,511	8,913	4,019	236	5,110	9,710	20,057	269	6,734	215	4,767
347	Metal services, n.e.c...	5,095	94	1,009	1,983	5,070	97	1,518	2,897	5,125	109	1,859	88	13,315
348	Ordnance and accessories, n.e.c...	346	70	992	1,737	349	79	1,750	3,442	4,993	80	2,021	50	3,710
349	Misc. fabricated metal products...	6,373	279	3,556	7,835	6,770	284	5,312	11,598	22,274	281	5,659	206	4,303
35	Machinery, exc. electrical...	48,200	2,083	30,558	67,223	52,312	2,189	46,911	102,270	187,896	2,052	50,093	1,286	26,749
351	Engines and turbines...	315	130	2,238	4,950	3,341	112	2,836	6,040	13,040	106	3,228	106	7,842
352	Farm and garden machinery...	2,159	151	2,197	5,450	2,078	114	2,356	6,146	13,108	99	2,226	69	1,938
353	Construction and related machinery...	3,220	393	5,987	11,836	9,981	11,836	7,326	16,453	32,038	6,048	14,400	149	13,389
354	Manufacturing machinery...	10,630	1,630	2,998	4,514	5,271	10,981	6,076	11,285	18,150	254	6,264	191	18,628
355	Special industry machinery...	4,090	185	2,116	4,455	5,271	4,226	1,893	7,451	13,128	169	3,974	102	8,193
356	Office and computing machines...	1,917	314	4,957	6,673	4,981	314	6,493	13,587	24,459	279	16,509	102	24,981
357	General industrial machinery...	1,517	259	3,449	9,921	2,669	404	6,457	13,028	42,28	11,891	183	3,509	29,715
358	Office and computing machines...	2,144	192	2,116	5,953	1,937	172	3,304	8,121	14,127	132	2,581	222	20,583
359	Misc. machinery, except electrical...	19,399	223	2,980	5,392	2,247	282	5,235	9,906	14,497	283	5,806	222	16,637

See footnotes at end of table.

Manufactures

NO. 1304. MANUFACTURES—SUMMARY BY INDUSTRY GROUP: 1977 TO 1984—Continued

[See headnote, p. 724]

Industry code ¹	Industry group	1982						1984								
		1977		All employees		Establishments (number)		All employees		Value added by manufacturer (mil. dol.)		Value of shipments (mil. dol.)				
		Establishments (number)	All employees (Num-ber, 1,000)	Pey-roll (mil. dol.)	Value added by manufacturer (mil. dol.)	Establishments (number)	All employees (Num-ber, 1,000)	Pay-roll (mil. dol.)	Value added by manufacturer (mil. dol.)	Pay-roll (mil. dol.)	Number (1,000)	Wages (mil. dol.)	Production workers (1,000)	Pay-roll (mil. dol.)	Value added by manufacturer (mil. dol.)	
36	Electric and electronic equipment	14,973	22,544	16,433	1,915	38,414	8,605	147,944	2,033	46,842	1,287	23,493	110,222	187,985		
361	Electric distributing equipment	947	1,431	3,336	942	1,05	1,985	4,584	8,108	100	2,033	71	1,263	5,923	8,887	
362	Electrical industrial apparatus	1,646	2,563	5,614	1,980	191	3,705	7,919	13,825	191	4,168	129	9,117	15,981	16,259	
363	Household appliances	668	1,888	5,276	630	129	2,223	6,264	12,644	133	2,650	106	1,895	7,539	14,835	
364	Household lighting and wiring equipment	2,000	1,665	4,744	1,935	159	2,718	6,619	12,048	165	3,225	125	4,316	10,599	15,973	
365	Radio and TV receiving equipment	98	1,087	3,075	1,032	66	1,154	3,200	7,833	64	1,341	47	6,942	17,228	47,983	
366	Communication equipment	2,385	1,420	5,985	1,221	601	13,979	29,750	46,226	638	17,225	325	6,974	30,427	47,983	
367	Electronic components, accessories	4,455	9,260	5,455	516	9,770	2,970	34,517	582	12,648	375	6,018	9,791	17,149	17,149	
368	Misc. electrical equipment, supplies	1,575	152	2,958	4,890	1,700	147	2,859	6,994	12,544	161	3,520	111	2,029	5,923	5,849
37	Transportation equipment	10,174	17,688	30,673	64,291	9,443	1,596	40,812	84,932	201,846	1,709	50,310	1,160	30,768	114,499	280,241
371	Motor vehicles and equipment	4,234	876	16,038	37,023	3,867	616	15,383	32,294	112,270	753	22,255	613	17,328	54,725	178,266
372	Aircraft and parts	1,173	431	7,621	14,732	1,471	539	14,718	24,027	16,020	517	17,403	141	8,885	7,350	58,530
373	Ship and boat building and repairing	220	2,940	4,681	2,566	200	35	4,790	7,509	13,326	779	7,509	21	7,493	1,486	13,036
374	Railroad equipment	201	56	889	1,883	169	200	2,225	1,492	3,457	30	188	9	135	439	1,153
375	Motorcycles, bicycles, parts	350	16	370	273	13	105	403	1,341	10	188	9	1973	14,638	14,638	
376	Guided missiles, space vehicles	109	120	2,427	4,422	961	146	4,481	9,857	176	5,927	71	5,927	2,291	5,849	
377	Miscellaneous products	1,314	49	593	1,181	43	474	8,977	4,528	45	979	33	605	3,291	5,849	
38	Instruments and related products	7,481	559	7,520	17,762	8,045	624	12,883	33,672	51,798	612	14,321	358	6,534	39,870	59,447
381	Engineering, scientific instruments	7,786	42	5,584	1,287	7,771	43	889	2,101	3,046	41	935	24	4,663	3,215	3,384
382	Measuring and control devices	2,073	200	2,686	5,242	2,483	228	4,866	10,007	14,633	227	5,383	129	2,350	11,319	17,178
383	Optical instruments and lenses	545	30	1,421	5,607	583	50	1,026	2,368	3,757	53	1,281	26	472	3,136	4,768
384	Medical instruments and supplies	2,355	114	1,319	3,262	2,711	141	2,492	6,978	10,863	150	2,433	17	1,490	8,289	12,960
385	Ophthalmic goods	634	30	3,314	6,732	410	115	3,193	10,860	17,038	104	3,224	10	1,388	5,135	12,361
386	Photographic equip. and supplies	376	112	1,800	6,732	780	32	3,177	237	2,484	1,188	1,188	13	1401	12,661	18,702
387	Watches, clocks, and wristcases	302	32	317	685	237	17	2,24	484	1,188	13	1,188	13	139	1,095	1,095
39	Misc. manufacturing and auxiliary ⁴	17,259	441	4,406	10,291	15,871	383	5,647	14,059	28,891	355	5,862	263	3,544	14,740	27,782
391	Jewelry, silverware, and plated ware	3,118	61	636	1,449	2,882	50	1,784	4,379	804	34	4,379	48	3,484	1,765	4,412
392	Toys and sporting goods	2,450	253	3,000	4,886	492	18	258	4,195	916	14	239	11	154	422	811
393	Pens, office and art goods	2,910	112	1,112	3,000	2,570	99	1,389	4,610	6,256	87	1,389	57	845	4,454	8,400
394	Costume jewelry and notions	1,514	51	451	1,002	1,036	32	485	1,263	2,372	41	487	30	1,227	3,236	3,236
395	Misc. manufactures	8,280	152	1,623	3,485	7,585	142	2,217	4,751	8,860	136	2,372	100	596	31	1,408
396	Administrative and auxiliary ⁴	9,171	1,074	21,981	(X)	9,576	1,276	38,220	(X)	1,268	1,268	43,477	(X)	1,268	(X)	1,268

X Not applicable. Z Less than \$500,000. ¹ Standard Industrial Classification Code; see text, section 28. ² All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March. ³ See footnotes 6, table 1033. ⁴ Manufacturing concerns often report separately for central offices or auxiliaries which serve the general public. Separate reports were obtained from such units if they serviced more than one establishment.

Sources: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982*, *General Summary*; MC77(1)-1 and MC82(1)-1, and *Annual Survey of Manufactures*.

Manufactures Shipments

729

NO. 1305. PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES, SELECTED INDUSTRIES: 1977 AND 1982

(First 32 industries (excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value of shipments in 1977 of \$4 billion or more. Industry codes and descriptions are based on the 1972 *Standard Industrial Classification Manual* (SIC); see text, section 28. Determination of company affiliation of establishment is based on census reports and publicly available records. "Largest" companies are determined by each company's value added by manufacture in the specified industry. Industries in the "not elsewhere classified" category are omitted, regardless of their value added)

Industry code	INDUSTRY	Year	Number of companies	Value added by manufacturer ¹ (mil. dol.)	Total value of shipments ² (mil. dol.)	PERCENT OF SHIPMENTS, RANKED BY COMPANY SIZE			
						4 largest	8 largest	20 largest	50 largest
2911	Petroleum refining	1977	192	14,424	91,689	30	53	81	94
		1982	282	19,247	199,357	28	48	76	93
3711	Motor vehicles and car bodies	1977	254	18,724	76,518	93	99	99+	99+
		1982	284	15,456	70,740	92	97	99	99+
2011	Meatpacking plants	1977	2,404	4,010	31,208	19	37	49	62
		1982	1,658	5,825	44,854	20	43	61	75
3312	Blast furnaces and steel mills	1977	395	15,332	41,998	45	65	84	95
		1982	211	11,763	36,824	42	64	82	95
3573	Electronic computing equipment	1977	808	7,624	12,924	44	55	71	85
		1982	1,520	19,598	36,787	43	55	71	82
3714	Motor vehicle parts and accessories	1977	2,194	16,264	35,751	62	70	79	86
		1982	2,000	16,765	36,293	61	69	77	84
3662	Radio and TV communications equipment	1977	1,873	9,938	14,866	20	33	57	73
		1982	2,083	21,178	33,032	22	35	57	73
3721	Aircraft	1977	151	8,134	14,834	59	81	99	99+
		1982	139	15,642	28,024	64	81	98	99+
2711	Newspapers	1977	7,821	9,519	13,056	19	31	45	62
		1982	7,520	15,275	21,276	22	34	49	66
2621	Papermills, exc. building paper	1977	171	5,407	12,613	23	42	70	92
		1982	135	8,954	20,995	22	40	71	93
2752	Commercial printing, lithographic	1977	10,964	5,338	9,360	6	10	17	26
		1982	17,332	11,045	19,441	6	10	17	24
2834	Pharmaceutical preparations	1977	655	8,214	11,459	24	43	73	81
		1982	584	13,484	18,998	28	42	69	90
2026	Fluid milk	1977	1,516	3,176	13,786	18	28	43	60
		1982	853	4,086	18,736	16	27	48	66
3861	Photographic equipment and supplies	1977	702	6,732	9,945	72	55	90	94
		1982	723	10,860	17,038	74	86	91	94
2086	Bottled and canned soft drinks	1977	1,758	4,085	10,007	15	22	36	50
		1982	1,236	6,856	16,808	14	23	39	56
2821	Plastics materials and resins	1977	221	4,143	10,818	22	37	57	80
		1982	283	4,746	15,769	22	38	64	87
3661	Telephone, telegraph apparatus	1977	208	4,192	7,858	(b)	89	94	98
		1982	259	7,121	13,394	76	83	92	97
2051	Bread, cake, and related products	1977	2,549	5,370	9,275	33	40	54	68
		1982	1,869	7,861	13,143	34	47	60	73
3585	Refrigeration and heating equipment	1977	731	4,459	9,638	41	51	67	82
		1982	730	6,049	12,990	34	46	65	80
2111	Cigarettes	1977	8	3,803	6,377	(D)	(D)	(X)	(X)
		1982	8	8,098	12,127	(D)	(D)	(X)	(X)
3531	Construction machinery	1977	807	5,744	12,629	47	59	75	86
		1982	817	5,478	11,658	42	52	69	81
2721	Periodicals	1977	2,860	3,763	6,057	22	35	52	67
		1982	3,143	6,911	11,478	20	31	49	64
3523	Farm machinery and equipment	1977	1,868	4,854	10,282	46	61	70	78
		1982	1,787	5,201	10,743	53	62	69	77
2844	Toilet preparations	1977	844	4,527	6,557	40	56	74	90
		1982	598	7,131	10,183	34	49	71	89
2421	Sawmills and planing mills, general	1977	6,966	4,453	10,867	17	23	36	49
		1982	5,810	3,238	10,065	17	23	34	46
3011	Tires and inner tubes	1977	121	4,347	8,871	70	88	97	99+
		1982	108	4,860	9,340	66	88	98	99+
2841	Soap and other detergents	1977	554	2,868	5,671	58	71	82	89
		1982	642	4,777	9,167	60	73	83	90
3465	Automotive stampings	1977	495	4,655	9,739	65	70	77	84
		1982	566	4,114	8,777	61	65	74	82
2824	Organic fibers, noncellulosic	1977	37	2,804	6,380	78	90	99	100
		1982	44	3,318	8,263	77	91	99	100
3321	Gray iron foundries ⁴	1977	865	4,071	7,389	34	44	60	73
		1982	801	3,310	6,202	29	37	53	69
2751	Commercial printing, letterpress	1977	14,375	2,441	4,284	14	19	25	31
		1982	10,211	3,161	5,504	7	10	16	24
3761	Guided missiles and space vehicles	1977	20	3,565	5,314	64	94	100	(X)
		1982	86	1,307	2,302	71	95	100	(X)

D Withheld to avoid disclosure. X Not applicable.

¹ See footnote 7, table 1303. ² See footnote 8, table 1303.

³ Value of production reported instead of value of shipments; therefore, formula for computing adjusted value added modified to include only changes in work-in-process inventories between beginning and end of year.

⁴ Includes foundries producing gray-iron castings for other plants of the same company. Accordingly, percentages do not reflect market shares in industry as such.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982, Concentration Ratios in Manufacturing*, MC82-SR-7.

Manufactures

NO. 1306. MANUFACTURES SUMMARY,

[Sum of State totals may not add to U.S. total]

STATE	Establishments, total ¹	1977			Establishments, total ¹	1982			Value added by manu- facture ⁴ (mil. dol.)	Value of ship- ments ⁵ (mil. dol.)	
		All employees ²		Value added by manu- facture ⁴ (mil. dol.)		All employees ²		Production Workers ³			
		Number ³ (1,000)	Payroll (mil. dol.)	Number ³ (1,000)	Payroll (mil. dol.)	Number ³ (1,000)	Payroll (mil. dol.)	Number ³ (1,000)	Wages (mil. dol.)		
1 U.S.	359,928	19,590	264,013	585,166	358,061	19,094	379,827	12,401	204,787	824,118	1,980,206
2 N.E.	25,737	1,391	17,603	35,588	25,659	1,445	27,603	916	13,874	56,213	105,938
3 ME.	2,157	103	1,078	2,343	2,009	110	1,775	86	1,237	4,038	8,649
4 NH	1,825	95	1,029	2,175	1,981	107	1,792	75	1,055	4,004	7,636
5 VT.	1,030	42	498	1,050	1,104	47	883	30	434	2,037	3,730
6 MA	11,133	614	7,819	16,349	11,017	643	12,353	397	6,001	25,968	48,204
7 RI.	3,107	125	1,327	2,737	2,855	114	1,760	83	1,052	3,793	7,852
8 CT.	6,485	412	5,852	10,934	6,693	424	9,060	245	4,095	16,373	30,067
9 M.A.	71,009	3,617	49,843	103,160	65,443	3,353	68,316	2,048	33,333	139,387	294,829
10 NY	36,578	1,510	20,876	44,280	32,651	1,419	29,156	836	13,270	62,907	121,469
11 NJ	15,696	778	10,924	22,853	15,126	754	15,845	440	7,207	31,656	70,420
12 PA.	18,735	1,329	18,043	36,017	17,666	1,180	23,315	772	12,856	44,824	102,940
13 E.N.C.	69,237	4,974	76,908	160,224	67,378	4,337	92,400	2,664	52,063	184,757	440,702
14 OH.	17,354	1,331	20,356	43,055	16,960	1,102	24,740	695	13,816	49,641	112,278
15 IN.	6,061	706	10,439	22,718	7,960	585	12,559	406	7,821	25,747	63,332
16 IL.	19,517	1,268	18,741	47,279	18,618	1,069	22,681	670	11,931	47,705	112,929
17 MI.	15,627	1,116	20,054	37,566	15,158	884	22,223	564	12,505	39,118	99,718
18 WI.	6,678	535	7,318	16,606	6,682	697	10,197	329	5,890	22,546	52,448
19 W.N.C.	24,321	1,297	17,388	40,666	23,940	1,272	25,430	803	13,652	60,413	155,543
20 MN.	6,697	332	4,693	9,605	6,775	350	7,423	201	3,428	15,367	35,321
21 IA.	3,783	240	3,383	8,684	3,598	213	4,403	140	2,649	12,078	31,397
22 MO.	7,365	433	5,709	13,087	7,089	406	8,013	256	4,199	18,334	41,459
23 ND.	571	14	162	473	587	15	246	10	141	652	2,465
24 SD.	740	23	251	612	748	25	398	18	262	1,100	3,005
25 NE.	1,365	88	1,075	2,867	1,928	92	1,684	64	1,015	4,445	15,143
26 KS.	3,270	168	2,115	5,338	3,235	171	3,323	113	1,958	6,437	26,753
27 S.A.	47,692	2,823	33,504	72,306	46,855	2,930	45,588	2,081	26,351	112,850	256,625
28 DE.	619	67	1,141	1,596	632	68	1,743	32	557	2,487	8,383
29 MD.	3,897	243	3,420	7,116	3,883	234	4,859	146	2,551	10,134	21,282
30 DC.	555	19	298	610	514	17	394	6	125	920	1,537
31 VA.	5,519	395	6,442	10,882	5,568	391	6,649	287	4,192	17,256	36,803
32 WV.	1,857	117	1,621	3,880	1,662	96	2,007	65	1,233	4,049	9,869
33 NC.	9,954	765	7,519	18,211	10,133	799	11,717	605	7,297	28,492	64,176
34 SC.	4,229	374	3,805	8,187	4,206	368	5,540	279	3,576	12,219	27,836
35 GA.	8,623	485	5,125	12,549	8,534	503	7,906	369	4,864	19,192	48,056
36 FL.	12,399	358	4,133	9,255	13,723	454	7,773	292	3,956	18,112	38,883
37 E.S.C.	19,187	1,328	14,506	21,314	18,573	1,241	20,132	924	13,053	49,514	110,898
38 KY.	3,548	278	3,452	9,546	3,502	247	4,639	174	2,874	11,820	26,939
39 TN.	6,487	490	5,219	12,663	6,417	462	7,378	388	4,603	17,823	40,777
40 AL.	5,863	341	3,773	8,406	5,528	330	5,234	254	3,598	12,046	29,794
41 MS.	3,289	219	2,062	5,619	3,126	202	2,881	158	1,978	7,825	18,488
42 W.S.C.	29,796	1,442	18,319	52,043	31,876	1,648	32,573	1,082	17,961	81,011	271,595
43 AR.	3,595	197	1,932	4,882	3,913	190	2,824	149	1,932	7,755	19,747
44 LA.	4,276	195	2,683	9,418	4,107	202	4,304	142	2,731	11,755	57,058
45 OK.	3,818	164	2,051	4,662	4,168	197	4,010	121	2,065	8,143	23,116
46 TX.	18,107	886	11,653	33,081	20,288	1,059	21,435	670	11,283	53,358	171,674
47 Mt.	13,808	461	5,892	13,621	14,854	556	10,863	342	5,569	23,134	56,997
48 MT.	1,188	24	312	602	1,030	20	379	15	265	714	3,668
49 ID.	1,495	52	625	1,430	1,404	48	865	34	545	2,077	5,570
50 WY.	505	9	111	381	511	10	183	7	115	408	2,558
51 CO.	3,948	153	2,125	4,472	4,406	192	3,988	110	1,677	8,057	17,863
52 NM.	1,323	28	297	734	1,223	33	521	22	297	1,398	3,815
53 AZ.	2,892	111	1,463	3,333	3,407	150	3,037	87	1,423	6,162	12,907
54 UT.	1,748	70	867	1,974	1,982	83	1,539	54	837	3,455	8,960
55 NV.	729	15	192	495	851	20	356	13	210	863	1,756
56 Pac.	59,106	2,255	31,929	71,245	61,483	2,518	53,724	1,543	26,934	116,846	258,280
57 WA.	6,723	265	4,054	8,955	6,788	291	6,681	178	3,624	12,586	34,665
58 OR.	5,716	202	6,138	5,659	185	3,783	130	3,334	7,973	17,897	
59 CA.	45,289	1,752	24,672	54,862	47,625	2,005	42,630	1,209	20,561	94,388	199,656
60 AK.	429	11	166	504	445	13	270	10	197	769	2,580
61 HI.	949	25	277	786	966	24	360	216	1,218	1,120	3,443

X Not applicable. ¹ Includes central administrative offices and auxiliary units. ³ "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March. "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November.

Manufactures, by States

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BY STATE: 1977 TO 1984

because U.S. and State figures were independently derived]

1984					Leading major industry groups ranked by value added by manufacture, 1982	
All employees ^a	Production workers ^b		Value added by manufacturer ^c	Value of shipments ^d		
Number ^e (1,000)	Payroll (mil. dol.)	Number ^e (1,000)	Wages (mil. dol.)	Value added by manu- facture ^c (mil. dol.)	Value of ship- ments ^d (mil. dol.)	
19,137	428,629	12,581	231,976	983,560	2,253,724	Mach. exc. elec.; food; trans. equip.
1,456	31,790	914	15,565	67,229	124,563	(x)
108	2,016	84	1,397	4,812	9,929	Paper; leather; food
114	2,138	81	1,244	4,804	8,789	Machinery exc. elec.; elec. equip.; paper
44	911	29	457	2,077	3,804	Elec. equip.; mach., exc. elec.; fabricated metal
657	14,488	397	6,707	31,486	58,644	Machinery, exc. elec.; elec. equip.; instruments
114	1,978	83	1,191	4,241	8,498	Misc. mfg.; fab. metal; elec. equip.
419	10,259	240	4,569	19,809	34,919	Trans. equip.; mach., exc. elec.; elec. equip.
3,211	73,080	1,976	35,399	160,629	324,071	(x)
1,347	31,388	794	13,947	72,361	133,925	Printing and publishing; instruments; elec. equip.
799	17,269	431	7,888	36,543	77,745	Chemicals; food; electrical equipment
1,126	24,423	751	13,564	51,725	112,401	Machinery, exc. elec.; food; primary metal
4,236	107,086	2,819	62,256	231,601	536,372	(x)
1,126	26,573	737	16,525	62,346	141,553	Trans. equip.; mach., exc. elec., fab. metal
609	14,485	430	9,188	33,762	76,848	Electrical equip.; primary metal; trans. equip.
1,056	25,174	671	13,367	55,246	125,791	Machinery, exc. elec.; food; elec. equipment
944	27,403	638	16,279	53,069	130,082	Trans. equip.; mach. exc. elec.; fabricated metal
501	11,451	343	6,897	27,178	61,998	Machinery, exc. elec.; food; paper
1,308	29,433	838	15,859	73,319	180,843	(x)
373	8,931	216	4,106	19,267	42,780	Machinery exc. elec.; food; fabricated metal
202	4,581	137	2,771	13,035	33,518	Machinery, exc. elec.; food; electrical equip.
415	9,351	268	5,032	23,459	52,747	Transportation equip.; food; chemicals
14	258	9	149	754	2,591	Food; mach., exc. elec.; printing and publishing
27	439	21	301	1,943	5,612	Food; mach., exc. elec. equip.
92	1,814	66	1,160	5,147	15,084	Food; machinery, exc. elec.; chemicals
185	4,059	121	2,340	10,314	30,633	Transportation equip.; food; printing and publishing
3,011	56,778	2,151	33,206	140,581	311,713	(x)
69	2,011	33	673	2,916	9,648	Chemicals; food; instruments
229	5,331	144	2,867	11,501	23,558	Electronic equip.; food; chemicals
15	410	6	128	1,094	1,696	Printing and publishing; food; machinery, exc. electric
408	7,919	299	4,972	21,048	49,908	Tobacco; chemicals; food
87	1,987	62	1,240	4,647	10,763	Chemicals; primary metal; stone, clay, glass
828	14,026	627	8,686	36,682	78,761	Textiles; tobacco; electrical equipment
365	6,353	280	4,155	15,191	33,958	Textiles; chemicals; machinery, exc. elec.
542	9,690	399	6,014	25,041	61,617	Textiles; food; chemicals
468	9,051	301	4,471	22,461	47,804	Food; electrical equip.; transportation equip.
1,276	23,214	965	15,282	60,391	145,581	(x)
251	5,394	183	3,375	14,945	37,436	Food; machinery, exc. elec.; chemicals
477	6,583	353	5,491	21,964	49,468	Chemicals; food; machinery, exc. elec.
341	6,025	267	4,173	14,635	36,802	Paper; chemicals; textiles
207	3,272	162	2,243	8,847	22,375	Transportation equip.; food; electric equip.
1,531	33,579	1,008	18,332	86,403	278,257	(x)
200	3,321	158	2,308	8,993	22,852	Food; electronic equipment; paper
182	4,227	124	2,634	13,396	55,035	Chemicals; petroleum; food
174	4,011	110	2,154	8,458	24,502	Mach. exc. elec.; fab. metal; rubber, plastic
975	22,019	616	11,236	55,556	175,868	Machinery, exc. elec.; chemicals; food
572	12,728	349	6,828	28,708	65,809	(x)
22	447	16	314	1,024	3,797	Lumber; food; petroleum and coal
50	1,016	36	643	2,658	6,210	Food; machinery, exc. elec.; chemicals
9	173	6	108	498	2,411	Chemicals; mach., exc. elec.; food
191	4,846	106	2,110	9,807	21,337	Machinery, exc. elec.; instruments; food
31	565	21	314	1,266	3,912	Petroleum and coal; electric equipment; food
160	3,670	93	1,654	8,278	15,910	Elec. equip.; machinery exc. elec.; trans. equip.
90	1,840	59	983	4,368	10,262	Machinery, exc. elec.; trans. equip.; food
19	371	12	202	909	1,770	Food; printing and publishing; fabricated metals
2,638	60,944	1,561	29,947	134,705	286,739	(x)
277	7,225	171	3,678	15,068	38,599	Transportation equip.; food; lumber
191	4,232	136	2,868	9,568	20,973	Lumber; food; instruments
2,038	48,864	1,231	23,015	108,373	221,392	Elec. equip.; trans. equip.; mach., exc. elec.
9	240	7	183	650	2,365	Food; petroleum and coal; lumber
23	383	16	223	1,046	3,410	Food; textiles; stone, clay, glass products

^a For definition, see footnote 6, table 1303.

^b See footnote 7, table 1303.

^c See footnote 4, table 1304.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982* and *Annual Survey of Manufactures*.

Manufactures

No. 1307. FINANCES OF MANUFACTURING CORPORATIONS: 1970 TO 1985

[In billions of dollars. See tables 890 and 891 for individual industry data]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Net sales.....	709	1,061	1,065	1,203	1,328	1,498	1,742	1,897	2,145	2,039	2,114	2,335	2,331
Net operating profit.....	50	84	77	97	107	122	135	129	144	105	125	159	138
Net profit:													
Before taxes.....	48	92	80	105	115	133	154	145	158	108	133	166	137
After taxes.....	29	59	49	65	70	81	99	92	101	71	85	108	88
Cash dividends.....	15	19	20	23	27	29	32	36	40	41	42	45	46
Net income retained in business.....	14	39	29	42	44	52	66	58	61	30	44	63	42

Source: Through 1981, U.S. Federal Trade Commission; thereafter, U.S. Bureau of the Census. *Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations*, first quarter report of year subsequent to reported year.

NO. 1308. CAPITAL IN MANUFACTURING ESTABLISHMENTS: 1975 TO 1985

[In billions of dollars, except percent. Minus sign (-) indicates decline. Data refer to privately owned manufacturing establishments and are based on the capital expenditures data from the census of manufactures, the Annual Survey of Manufactures, and the inventory investment component of GNP. For details, see source.]

ITEM	CURRENT DOLLARS						CONSTANT (1982) DOLLARS					
	1975	1980	1982	1983	1984	1985	1975	1980	1982	1983	1984	1985
Purchases of equipment and structures.....	38.5	75.3	78.3	64.4	77.4	81.8	65.1	86.8	77.8	63.8	76.3	80.7
Percent equipment.....	79.3	80.4	78.6	79.9	80.2	78.5	78.7	80.4	78.4	80.4	81.6	80.6
Depreciation (straight line) ¹	28.7	53.1	67.2	69.4	71.7	74.5	49.8	62.0	67.2	68.7	70.0	72.0
Percent equipment.....	76.7	78.7	79.6	79.2	78.8	78.7	76.6	78.9	79.6	78.8	80.0	80.3
Net investment ²	9.7	22.2	11.1	-4.9	5.7	7.3	15.3	24.9	10.6	-4.9	6.3	6.7
Net stock, end of year ¹	529.1	944.6	1,067.3	1,080.7	1,131.0	1,143.4	879.1	1,034.0	1,056.5	1,046.8	1,075.1	1,080.8
Equipment and structures.....	351.3	633.9	751.2	784.7	789.8	808.7	597.2	707.2	741.3	737.5	745.3	755.5
Percent equipment.....	64.4	87.0	68.4	67.2	66.7	66.7	64.0	67.4	67.9	68.0	68.3	68.5
Inventories.....	177.8	310.7	316.1	316.1	341.2	334.7	281.9	326.8	315.2	309.3	329.8	325.1

¹ Depreciation and net stock estimates are derived using the perpetual inventory method and the straight-line depreciation formula.

² Represents the difference between purchases and depreciation.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, January 1986; and unpublished data.

NO. 1309. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS: 1950 TO 1985

[In billions of dollars, except ratio. See also *Historical Statistics, Colonial Times to 1970*, series P 74-92]

YEAR	Shipments, total	Inven-tories, total (Dec. 31)	Ratio of inven-tories to ship- ments ¹	New orders, total	Un-filled ord- ers, total (Dec. 31)	YEAR	Shipments, total	Inven-tories, total (Dec. 31)	Ratio of inven-tories to ship- ments ¹	New orders, total	Un-filled ord- ers, total (Dec. 31)
1950.....	223.8	31.5	1.41	242.1	41.2	1968.....	602.7	90.2	1.76	609.2	109.5
1951.....	260.6	38.2	1.78	286.7	66.9	1969.....	642.0	97.7	1.81	647.4	114.9
1952.....	270.3	41.5	1.71	278.5	75.5	1970.....	633.7	101.2	1.91	624.5	105.7
1953.....	298.1	44.2	1.90	283.0	60.3	1971.....	670.9	102.3	1.76	671.8	106.8
1954.....	280.3	41.8	1.71	288.0	48.2	1972.....	756.3	107.9	1.58	770.1	120.4
1955.....	317.8	45.2	1.63	329.6	60.0	1973.....	875.2	124.3	1.63	912.7	157.9
1956.....	332.9	50.7	1.74	340.4	67.5	1974.....	1,017.5	157.6	1.86	1,046.5	187.3
1957.....	344.8	51.9	1.90	330.7	53.3	1975.....	1,039.1	159.8	1.77	1,022.6	170.9
1958.....	327.0	50.0	1.75	324.1	46.8	1976.....	1,185.6	174.9	1.66	1,194.4	179.7
1959.....	363.4	52.7	1.68	368.8	52.1	1977.....	1,358.4	188.4	1.58	1,380.4	201.7
1960.....	370.5	53.6	1.79	362.9	44.5	1978.....	1,522.9	209.1	1.55	1,578.6	257.4
1961.....	371.1	54.7	1.87	373.3	46.7	1979.....	1,727.2	239.1	1.61	1,768.8	299.0
1962.....	400.3	58.1	1.76	401.2	47.6	1980.....	1,852.7	261.7	1.61	1,879.9	320.2
1963.....	420.7	59.9	1.66	426.4	53.3	1981.....	2,017.5	279.5	1.74	2,013.1	315.8
1964.....	449.0	63.3	1.62	460.1	65.4	1982.....	1,909.3	262.0	1.71	1,887.1	294.4
1965.....	491.9	68.0	1.58	505.3	78.8	1983.....	2,045.3	257.6	1.40	2,079.1	328.2
1966.....	538.4	77.7	1.70	556.8	97.2	1984.....	2,274.9	282.0	1.46	2,299.6	352.9
1967.....	557.8	84.4	1.71	564.7	104.0		2,341.2	277.9	1.42	2,349.6	361.4

¹ Ratio based on December seasonally adjusted data.

Source: U.S. Bureau of the Census, *Current Industrial Reports, Manufacturers' Shipments, Inventories, and Orders: 1978-1984*, series M3-1.14, and monthly reports.

Value of Shipments and Inventories

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No. 1310. VALUE OF MANUFACTURES SHIPMENTS AND INVENTORIES—SELECTED INDUSTRIES: 1978 TO 1985

[In billions of dollars. See *Historical Statistics, Colonial Times to 1970*, series P 74-79]

SIC ¹ CODE	INDUSTRY	1978	1979	1980	1981	1982	1983	1984	1985
(x)	Shipments, total	1,522.9	1,727.2	1,852.7	2,017.5	1,908.3	2,045.3	2,274.9	2,341.2
(x)	Durable goods industries ²	814.2	912.7	930.6	1,006.5	920.3	1,019.4	1,192.0	1,243.8
32	Stone, clay, and glass products	41.7	46.0	46.1	48.0	44.0	49.1	55.0	57.3
33	Primary metals	118.1	137.4	133.9	141.9	107.0	117.9	131.2	125.8
34	Fabricated metal products	101.3	113.6	116.2	123.7	114.0	120.6	139.2	169.0
35	Machinery, exc. electrical ²	143.2	166.5	180.7	201.5	180.6	178.3	210.2	212.8
351	Engines and turbines	12.4	13.2	13.7	15.3	12.8	12.2	14.9	15.1
352	Farm machinery and equipment	11.9	15.5	15.1	16.0	11.8	10.6	10.5	10.4
353	Construction mining and material handling equipment	28.9	31.5	33.6	39.0	34.5	28.4	32.6	33.6
357	Office and computing machines	21.0	26.6	32.4	37.8	40.4	46.0	55.4	55.5
36	Electrical machinery ²	100.5	116.0	128.6	140.2	141.1	156.0	182.5	185.5
361-2	Elec. transmission and distribution	17.9	20.0	21.3	23.4	21.9	21.9	24.8	24.9
363	Household appliances	11.5	12.7	12.9	13.1	12.1	14.9	17.4	17.1
365	Radio and TV	7.9	8.1	8.5	8.8	7.8	8.6	10.4	11.2
366	Communication equipment	25.7	30.3	36.0	40.3	44.5	48.6	55.3	62.5
367	Electronic components	17.9	22.7	27.6	30.4	31.3	35.3	44.9	38.9
37	Transportation equipment ²	188.8	201.6	186.5	205.2	195.1	240.5	268.3	313.4
371	Motor vehicles and parts	132.0	131.4	104.6	117.0	112.2	151.9	191.5	203.4
372, 6	Aircraft, missiles, and parts	37.5	48.3	59.5	64.8	63.6	70.9	77.0	90.6
38	Instruments and related products ²	33.7	37.7	44.1	48.3	46.9	47.9	53.5	56.7
381-4	Scientific and engineering equipment	19.2	21.6	25.6	28.7	28.0	29.3	33.3	37.3
386	Photographic goods	11.5	13.4	15.9	16.9	16.6	16.3	17.9	17.2
(x)	Nondurable goods industries ²	708.7	814.5	922.1	1,011.1	988.0	1,025.9	1,092.9	1,097.4
20	Food and kindred products ²	216.0	236.0	256.2	272.1	277.3	286.6	295.1	296.1
201	Meat products	55.6	61.6	63.0	65.9	68.2	66.8	70.1	67.6
207	Fats and oils	16.2	17.7	18.2	17.9	15.4	16.5	15.6	13.7
208	Beverages	26.6	29.3	33.0	36.1	40.3	41.7	43.1	45.2
21	Tobacco products	10.0	10.6	12.2	13.1	14.5	15.5	16.9	20.6
22	Textile mill products	42.3	45.1	47.3	50.3	47.2	52.2	55.1	52.6
25	Paper and allied products ²	57.0	65.2	72.8	80.2	79.0	85.1	95.9	97.6
261-3, 6	Paper, pulp, paperboard mill products	24.0	28.0	31.8	35.1	33.5	36.3	41.5	41.8
265	Paperboard containers	14.5	16.0	17.2	19.0	18.4	19.1	21.7	21.4
28	Chemicals and allied products ²	129.4	147.7	162.5	180.5	172.8	190.2	211.8	214.3
281	Industrial inorganic chemicals	44.8	52.3	57.3	62.7	55.8	59.2	68.7	71.6
283-4	Drugs, soaps, toiletries	34.2	36.7	41.9	46.9	48.6	50.4	53.9	56.1
29	Petroleum and coal products	103.9	148.4	198.7	224.1	206.4	191.6	200.6	194.0
30	Rubber and plastics products	43.2	46.8	47.3	53.2	50.2	50.3	52.1	48.2
(x)	Inventories, total (Dec. 31)	209.1	239.1	261.7	279.5	262.0	257.6	282.0	277.9
(x)	Durable goods industries ²	136.3	158.5	172.2	183.6	172.6	189.0	188.1	186.0
32	Stone, clay, and glass products	4.8	5.4	5.8	6.3	5.8	5.6	5.8	5.8
33	Primary metals	19.6	22.6	23.1	25.7	21.5	19.2	20.4	17.8
34	Fabricated metal products	17.0	18.8	19.2	19.9	17.3	17.4	18.8	18.9
35	Machinery, exc. electrical ²	31.5	36.8	40.3	43.0	39.7	36.3	40.1	35.9
351	Engines and turbines	2.4	2.6	2.6	2.8	2.4	2.0	2.2	1.8
352	Farm machinery and equipment	2.5	2.9	2.9	2.7	2.1	1.9	1.9	1.9
353	Construction mining and material handling equipment	7.3	8.1	9.2	9.9	9.1	7.1	6.8	6.3
357	Office and computing machines	5.0	6.8	8.4	9.2	9.4	9.8	12.5	12.0
36	Electrical machinery ²	18.6	22.6	25.4	27.8	26.1	27.7	32.2	32.9
361-2	Elec. transmission and distribution	3.5	4.0	4.1	4.6	4.1	4.0	4.5	4.2
363	Household appliances	1.8	1.8	1.8	2.0	1.7	2.0	2.5	2.2
365	Radio and TV	1.2	1.2	1.3	1.4	1.0	1.0	1.3	1.3
366	Communication equipment	5.5	7.3	8.8	9.9	9.9	11.0	13.0	14.6
367	Electronic components	9.3	11.4	15.4	15.7	15.6	15.8	16.4	15.9
37	Transportation equipment ²	25.7	31.1	35.3	37.0	39.9	40.0	46.9	48.4
371	Motor vehicles and parts	10.1	10.7	9.6	8.9	8.2	9.3	11.1	11.4
372, 6	Aircraft, missiles, and parts	12.1	16.4	21.7	24.1	28.5	27.7	32.5	33.8
38	Instruments and related products ²	6.7	7.7	8.8	9.4	9.0	8.8	9.2	9.4
381-4	Scientific and engineering equipment	4.5	5.2	6.0	6.4	6.4	6.3	6.7	6.7
386	Photographic goods	1.6	1.9	2.2	2.4	2.0	2.0	2.0	2.1
(x)	Nondurable goods industries ²	72.8	80.6	89.5	95.8	89.4	88.6	93.9	91.9
20	Food and kindred products ²	18.7	20.6	22.4	22.1	21.3	21.4	22.0	21.5
201	Meat products	1.7	1.8	2.0	1.9	1.9	2.0	2.2	2.2
207	Fats and oils	1.7	2.0	2.0	1.6	1.4	2.0	1.3	1.2
208	Beverages	3.4	3.6	3.8	3.8	3.6	3.3	3.5	3.4
21	Tobacco products	3.8	3.6	3.9	4.6	4.7	4.1	3.7	3.4
22	Textile mill products	5.8	6.0	6.5	6.7	6.1	6.8	6.9	6.6
25	Paper and allied products ²	6.0	6.8	7.7	8.5	8.5	8.6	9.6	9.6
261-3, 6	Paper, pulp, paperboard mill products	2.1	2.4	2.9	3.2	3.4	3.3	3.6	3.8
265	Paperboard containers	1.7	1.9	1.9	2.3	2.2	2.3	2.6	2.3
28	Chemicals and allied products ²	15.7	17.3	19.6	22.0	19.8	19.5	21.8	21.3
281	Industrial inorganic chemicals	4.9	5.4	6.5	7.3	6.1	5.8	6.7	6.3
283-4	Drugs, soaps, toiletries	4.8	5.4	5.9	6.4	6.2	6.1	6.7	6.7
29	Petroleum and coal products	5.4	7.7	9.9	10.6	9.3	8.1	8.3	7.8
30	Rubber and plastics products	5.4	6.0	6.0	6.5	5.7	5.6	5.9	6.2

X Not applicable. ¹ Standard Industrial Classification. ² Includes industries not shown separately.

NO. 1311. INDUSTRIAL PRODUCTION INDEXES, BY INDUSTRY: 1970 TO 1985

[1977 = 100. Based on 1977 Standard Industrial Classification Manual; see text, section 28. See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 18-39]

SIC 1 CODE	MAJOR INDUSTRY GROUP	1970	1974	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985
(X)	Industrial production.....	79	93	85	93	107	111	109	111	103	109	122	125
(X)	Manufacturing.....	77	93	83	92	107	112	100	111	102	110	124	127
(X)	Durable goods.....	78	94	83	91	108	114	109	111	100	108	125	128
24	Lumber and products.....	81	87	81	92	102	102	93	90	83	100	109	123
25	Furniture and fixtures.....	75	94	80	89	109	112	109	110	105	118	137	140
32	Clay, glass, and stone products.....	76	94	83	93	109	111	102	99	89	99	112	169
33	Primary metals.....	85	111	88	99	107	109	90	95	66	73	82	113
34	Fabricated metal products.....	82	95	83	92	106	109	102	102	87	89	103	142
35	Nonelectrical machinery.....	73	98	85	89	112	123	123	130	116	118	142	81
36	Electrical machinery.....	69	90	77	87	113	126	130	134	128	144	172	115
37	Transportation equipment.....	75	90	81	92	106	108	97	95	88	99	114	108
38	Instruments.....	60	86	81	89	112	118	122	126	125	123	137	146
(X)	Non durable goods.....	78	90	85	93	106	108	107	110	106	114	123	128
20	Food.....	82	91	90	96	104	107	111	114	115	120	127	147
21	Tobacco products.....	92	98	100	105	105	105	106	109	105	101	101	71
22	Textile mill products.....	81	89	85	94	103	104	101	98	89	101	104	131
26	Paper and products.....	81	98	85	96	107	111	111	112	109	120	127	103
27	Printing and publishing.....	82	89	84	91	108	113	115	119	120	130	148	128
28	Chemicals and products.....	67	91	83	93	107	111	106	113	104	114	122	155
29	Petroleum products.....	80	88	87	93	103	102	94	89	84	84	87	127
30	Rubber and plastics products.....	58	85	73	85	108	115	108	116	110	124	143	87
31	Leather and products.....	117	103	102	102	102	95	93	93	82	82	77	100
(X)	Mining.....	99	99	97	97	104	108	112	118	109	103	111	109
(X)	Utilities.....	81	93	94	97	103	106	107	107	105	105	111	113

X Not applicable. ¹ Standard Industrial Classifications.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

NO. 1312. INDEX OF MANUFACTURING CAPACITY AND RELATION OF OUTPUT TO CAPACITY:
1950 TO 1986

[1977 output=100. Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1967, which the current stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups]

YEAR	Index of capac- ity	RELATION OF OUTPUT TO CAPACITY (percent)			YEAR	Index of capac- ity	RELATION OF OUTPUT TO CAPACITY (percent)		
		All manu- facturing	Primary process- ing	Ad- vanced process- ing			All manu- facturing	Primary process- ing	Ad- vanced process- ing
1950.....	40	83	89	80	1977.....	123	81	83	81
1955.....	49	87	92	84	1978.....	127	84	86	83
1960.....	60	80	80	81	1979.....	132	85	87	84
1965.....	73	90	91	89	1980.....	137	79	78	80
1970.....	97	79	81	78	1981.....	141	78	78	78
1971.....	101	77	80	76	1982.....	145	70	68	72
1972.....	104	83	86	81	1983.....	149	74	74	74
1973.....	108	87	91	85	1984.....	153	81	82	80
1974.....	112	83	85	82	1985.....	158	80	82	79
1975.....	116	72	72	73	1986: 1st qtr.....	161	80	84	78
1976.....	119	77	79	77	1986: 2d qtr.....	161	80	83	78

Source: Board of Governors of the Federal Reserve System, *Capacity Utilization In Manufacturing, Mining, Utilities, and Industrial Materials*, G-3, monthly. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, NY; and other sources.)

NO. 1313. LARGE MANUFACTURING COMPANIES—ADEQUACY OF CAPITAL FACILITIES TO MEET CURRENT DEMAND: 1970 TO 1985

[Percent distribution. As of July. Number of companies weighted by company assets. Based on replies to the question, "In view of the current rate of order bookings and customer inquiries, are your plant-and-equipment facilities now: Inadequate, Sufficient, or More than adequate?" as part of a quarterly survey conducted among the 1,000 largest manufacturing companies as listed by total assets]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1970.....	28	60	12	1978.....	20	62	18
1971.....	18	59	23	1979.....	20	69	11
1972.....	16	71	13	1980.....	12	57	31
1973.....	45	53	2	1981.....	9	51	40
1974.....	57	40	3	1982.....	8	45	47
1975.....	19	43	38	1983.....	6	48	46
1976.....	18	65	17	1984.....	8	55	37
1977.....	20	66	14	1985.....	9	53	38

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing* (copyright).

No. 1314. LARGE MANUFACTURING COMPANIES—CAPITAL APPROPRIATIONS AND EXPENDITURES, BY INDUSTRY: 1970 TO 1985

[In millions of dollars. Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations*. This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. Appropriations: Authorizations by management to spend funds for new plant and equipment; expenditures: Cost of new plant and equipment]

ITEM AND YEAR	Total	Food and beverages	Paper and allied products	Chemicals and allied products	Petroleum and coal products	Primary iron and steel	Electrical machinery and equip.	Machinery, except electrical	Motor vehicles and equipment	Other manufacturing
Appropriations: 1970	25,397	1,587	1,034	3,036	5,704	1,534	2,584	3,098	1,276	5,484
1975	45,034	3,573	1,902	7,466	13,986	3,102	1,978	3,748	1,015	8,284
1979	88,519	6,640	3,879	10,725	19,526	3,659	5,859	10,236	8,129	19,886
1980	104,631	6,603	3,578	12,170	32,875	2,989	6,544	9,368	7,110	23,496
1981	106,956	5,772	5,010	12,019	36,604	5,210	5,787	12,700	3,489	20,065
1982	87,544	5,792	4,006	9,478	31,524	1,583	6,663	8,710	3,915	15,895
1983	88,180	5,909	3,281	10,002	25,718	2,113	8,869	7,909	5,807	18,622
1984	116,056	6,983	5,936	11,851	25,458	2,125	11,987	10,854	16,686	24,186
1985, prel.	107,440	8,178	3,271	11,570	24,373	1,997	8,256	11,472	11,762	26,561
Expenditures: 1970	26,321	1,598	1,046	3,143	5,558	1,746	2,408	3,082	1,689	6,039
1975	45,557	3,081	1,905	7,172	11,907	3,552	2,227	4,014	1,808	9,891
1979	73,128	5,037	3,018	9,309	16,876	3,243	4,818	8,400	5,335	16,990
1980	88,208	6,014	3,858	10,918	22,228	3,458	6,271	9,826	5,555	20,080
1981	101,341	6,744	3,746	11,765	31,578	3,405	6,069	11,289	6,688	20,037
1982	99,614	5,802	3,653	11,180	33,317	3,545	6,354	10,906	5,610	18,247
1983	75,710	5,428	3,357	9,340	20,441	2,138	6,964	7,768	4,007	16,271
1984	90,308	5,374	3,842	11,211	21,632	1,984	10,100	8,648	6,981	20,526
1985, prel.	99,924	6,567	4,004	10,690	21,918	2,612	9,103	10,308	10,423	24,299

Source: The Conference Board, New York, NY, *Quarterly Survey of Capital Appropriations*. (Copyright.)

No. 1315. U.S. SHARE OF WORLD EXPORTS OF MANUFACTURES: 1980 TO 1985

[World exports—exports from 15 major trading countries: United States, Austria, Belgium-Luxembourg, Canada, Denmark, France, Fed. Rep. of Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and United Kingdom. Percents are calculated from the values of exports of the five commodity groups from each of the 15 countries. Percentage shares are based on dollar values calculated at current exchange rates. Detail for all countries except Japan are reported according to Revision 2 instead of Revision 1 of the United Nations Standard International Trade Classification (SITC)]

PRODUCT CATEGORY	TOTAL (bill. dol.)					PERCENT OF WORLD EXPORTS						
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985
Total¹	147.2	158.4	144.1	136.4	148.2	150.6	16.8	18.5	17.8	17.0	17.3	16.7
Machinery	57.1	64.5	61.1	56.3	63.0	62.7	21.4	23.9	23.8	22.2	22.8	21.4
Transport equipment	28.9	33.0	28.0	28.4	30.0	35.2	18.3	20.0	17.4	17.6	17.3	18.7
Chemicals	20.8	21.3	20.1	19.9	22.8	21.5	17.9	19.4	19.1	18.3	19.5	17.9
Basic manufactures ²	23.3	22.1	18.2	16.1	16.4	15.0	10.1	10.7	9.6	8.9	8.7	7.9
Misc. articles ³	17.0	17.4	16.8	15.6	16.2	16.3	16.0	17.0	16.9	15.9	15.6	14.6

¹ Represents manufactures exports. Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition.

² Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal.

³ Includes mainly nondurable consumer goods and professional and scientific instruments.

Source: U.S. Dept. of Commerce, International Trade Administration, *Business America*, biweekly; and *Market Share Reports*, annual.

No. 1316. FOREIGN DIRECT INVESTMENT IN THE U.S. FOR MANUFACTURING: 1980 AND 1985

[In millions of dollars]

AREA OR COUNTRY	TOTAL ¹		FOOD PRODUCTS		CHEMICALS AND ALLIED PRODUCTS		PRIMARY AND FABRICATED METALS		MACHINERY		
	1980	1985 prel.	1980	1985 prel.	1980	1985 prel.	1980	1985 prel.	1980	1985 prel.	
All countries ²	32,993	60,798	4,869	11,172	10,439	19,502	3,576	7,462	6,988	9,447	
Europe ²	21,953	46,515	2,098	10,439	8,163	17,150	2,194	2,783	4,463	6,509	
European communities (10) ²	17,714	37,553	1,501	7,220	6,943	14,733	1,767	2,294	3,116	5,172	
Netherlands	4,777	12,986	225	(D)	2,002	3,488	4,035	524	869	1,094	1,940
United Kingdom	6,159	11,884	1,098	2,613	2,301	4,035	2,820	555	600	832	1,065
Germany, Fed. Rep.	3,875	6,198	43	31	1,815	3,838	333	214	61	205	
France	2,291	5,485	111	348	633	2,820	(D)	8	14	21	
Belgium and Luxembourg	473	563	(D)	(D)	185	(D)	(D)	5	(D)	14	
Italy	50	273	(D)	(D)	116	227	801	427	489	1,347	1,337
Other Europe ²	4,239	8,961	587	8,219	1,220	2,418	264	148	186	613	589
Switzerland	3,116	7,431	586	176	1,154	2,185	412	1,240	1,027	1,117	
Sweden	994	1,132	1	(D)	67	(D)	148	575	318	624	
Canada	5,227	5,130	(D)	176	116	227	801	2,244	1,739	1,206	
Latin America	4,571	5,558	101	317	1,929	1,876	412	1,240	1,027	1,117	
Japan	1,033	2,621	98	149	224	267	78	575	318	624	
Middle East	83	58	(D)	(D)	1	-1	(D)	(D)	(Z)	6	

D Withheld to avoid disclosure of data of individual companies. Z Less than \$500,000.

¹ Includes other manufacturing, not shown separately. ² Includes other countries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues.

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NO. 1317. EMPLOYMENT RELATED TO MANUFACTURED EXPORTS BY INDUSTRY: 1977 TO 1983

[Total employment related to manufactured exports is the sum of employment directly calculated for the plants shipping the exported product, the supplying industries and service organizations and the central administrative offices and auxiliaries. For manufacturing industries, employment is limited to paid employees in manufacturing plants, while for nonmanufacturing it includes an estimate for working proprietors and partners]

INDUSTRY	1977		1980		1981		1983					
	Civilian employment (1,000)	Employment related to manufactured exports	Civilian employment (1,000)	Employment related to manufactured exports	Civilian employment (1,000)	Employment related to manufactured exports	Civilian employment (1,000)	Employment related to manufactured exports				
		Number (1,000)		Percent of civilian employment		Number (1,000)		Percent of civilian employment				
U.S.	89,889	3,258	3.6	100,260	4,808	4.8	101,724	4,794	4.7	104,628	4,542	4.3
Manufacturing												
Nonfarm	19,590	1,890	10.2	20,647	2,639	12.8	20,264	2,604	12.9	18,702	2,062	11.0
Trade	69,779	1,268	1.8	79,613	2,170	2.7	81,480	2,190	2.7	85,926	2,480	2.8
Business serv.	16,653	489	2.9	19,737	845	4.3	19,937	926	4.6	21,059	1,226	5.8
Transp. ¹	16,750	215	1.3	17,245	575	3.3	17,641	546	3.1	19,515	471	2.4
Agriculture	4,797	185	3.9	6,369	305	4.8	5,803	259	4.5	5,699	502	8.8
Mining	3,044	129	4.2	3,225	144	4.5	3,297	147	4.5	3,697	80	2.2
Other	747	34	4.6	947	69	7.3	1,157	80	6.9	1,071	61	5.7
	27,786	216	.8	32,090	233	.7	33,625	232	.7	34,885	140	.4

¹ Includes communications and utilities.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977*, and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

NO. 1318. EXPORT-RELATED SHIPMENTS AND EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, 1963 TO 1983, AND BY INDUSTRY, 1983

[The export-related employment data shown do not include the jobs involved in the export of nonmanufactured goods and various services sold to foreign buyers. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced, that is, they exclude imports. See source for further details on methodology.]

SIC code	INDUSTRY GROUP	MANUFACTURER'S SHIPMENT VALUE				MANUFACTURING EMPLOYMENT			
		Total ¹ (bil. dol.)	Export related		Export related as percent of shipments	Total ⁴ (1,000)	Export related		Export related as percent of total employment
			Total (bil. dol.)	Direct exports ² (bil. dol.)			Total (1,000)	Direct exports ⁵ (1,000)	
(X)	1963	420.5		16.5		3.9	16,958		
(X)	1972	756.5		36.7		4.9	19,027		
(X)	1977	1,368.4	142.4	85.8	56.6	10.4	19,590	1,990	1,106
(X)	1980	1,852.7	249.8	151.2	98.6	13.5	20,647	2,639	1,486
(X)	1981	2,017.5	271.7	164.3	107.4	13.4	20,264	2,604	1,486
(X)	1983, total ⁷	2,055.3	237.1	142.3	94.8	11.5	18,702	2,062	1,125
(NA)							(NA)	770	(NA)
(X)									4.0
(X)									
(X)									
(X)									
20	Food and kindred products	287.3	14.4	10.5	4.0	5.0	1,442	57	37
21	Tobacco products	16.3	2.8	2.2	.6	17.0	55	9	7
22	Textile mill products	53.4	4.5	1.8	2.8	4.4	723	56	20
23	Apparel, other textile prod.	55.5	1.4	.9	.5	2.5	1,180	20	10
24	Lumber and wood products	51.3	5.1	2.5	2.6	9.9	629	54	20
25	Furniture and fixtures	26.6	.7	.5	.2	2.6	444	11	7
26	Paper and allied products	84.6	8.9	3.6	5.3	10.5	607	59	19
27	Printing and publishing	92.8	3.6	1.3	2.4	3.9	1,301	46	14
28	Chemical and allied prod.	183.2	29.1	17.4	11.7	15.8	849	128	77
29	Petroleum and coal products	192.6	13.7	4.8	9.0	7.1	146	11	4
30	Rubber, misc. plastics prod.	60.3	6.7	2.4	4.3	11.0	684	73	24
31	Leather, leather products	9.8	.6	.5	.1	.5	189	6	5
32	Stone, clay, glass products	48.7	3.9	1.6	2.3	8.0	526	43	17
33	Primary metal industries	108.5	20.2	3.7	16.5	18.5	771	144	24
34	Fabricated metal products	122.1	13.3	6.0	7.3	10.9	1,418	150	68
35	Machinery, except electric	179.0	35.7	29.0	7.7	10.5	1,990	384	287
36	Electric, electronic equip.	159.2	22.9	15.8	7.0	14.9	1,896	278	189
37	Transportation equipment	244.1	37.2	28.2	9.0	15.2	1,615	247	180
38	Instruments and related prod.	53.6	8.9	7.8	1.1	16.8	607	105	91
39	Misc. manufacturing	26.4	2.4	2.0	.4	9.0	375	29	5

NA Not available. ¹ Includes total domestic and export shipments for all manufacturing establishments. ² Includes only the value of manufactured products exported by the producing plants. ³ Includes shipments of components, parts, supplies, etc., used by plants producing the export products. ⁴ Includes employees of central administrative offices and auxiliaries. ⁵ Employment is limited to paid employees in manufacturing plants producing the export product. The number of employees related to export shipments was calculated for each establishment, aggregated by industry and by States, and inflated to a level comparable to the plant value of exports reported in the official foreign trade statistics at port value.

⁶ Manufacturing employment at establishment producing components, parts, supplies, etc. for use by plants producing for export.

⁷ Includes administrative and auxiliary units, not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1963, 1972, and 1977*; and *Annual Survey of Manufactures, Origin of Exports of Manufactured Products*.

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No. 1319. EXPORT-RELATED SHIPMENTS AND EMPLOYMENT OF MANUFACTURING ESTABLISHMENTS, BY STATE: 1983

[See headnote, table 1318. Includes employees of central administrative and auxiliary offices]

REGION, DIVISION, AND STATE	MANUFACTURES SHIPMENT VALUE					MANUFACTURING EMPLOYMENT				
	Total (bil. dol.)	Export related			Export related as per- cent of ship- ments	Total (1,000)	Export related			Export related as per- cent of total employ- ment
		Total (bil. dol.)	Direct exports (bil. dol.)	Support- ing exports (bil. dol.)			Total (1,000)	Direct exports (1,000)	Support- ing exports (1,000)	
U.S.	2,055.3	237.1	142.3	94.8	11.5	18,702	2,062	1,125	937	11.0
Region:										
Northeast.....	413.8	46.4	28.0	18.5	11.2	4,675	509	272	237	10.9
New England	111.4	15.0	10.0	5.1	13.5	1,427	178	106	72	12.5
Maine.....	9.1	.9	.5	.4	9.5	109	9	4	4	7.7
New Hampshire.....	7.9	.8	.5	.4	10.5	109	12	7	5	11.1
Vermont.....	3.7	.6	.4	.2	14.8	44	7	5	2	15.5
Massachusetts.....	50.7	7.0	4.9	2.1	13.8	630	81	50	31	12.8
Rhode Island.....	8.2	.9	.5	.4	10.8	115	12	7	5	10.6
Connecticut.....	31.8	4.8	3.2	1.6	15.0	420	57	33	25	13.6
Middle Atlantic.....	302.4	31.4	18.0	13.4	10.4	3,248	331	166	165	10.2
New York.....	126.0	13.4	8.8	4.6	10.8	1,383	138	78	60	9.9
New Jersey.....	72.6	6.8	3.7	3.1	9.3	752	73	32	41	9.7
Pennsylvania.....	103.8	11.2	5.5	3.7	10.8	1,113	120	56	64	10.8
East North Central.....	478.7	55.9	32.1	24.0	11.7	4,034	476	235	240	11.8
Ohio.....	124.7	15.2	8.4	6.9	12.2	1,078	137	68	68	12.6
Indiana.....	69.0	8.3	4.0	4.3	12.0	581	66	31	36	11.3
Illinois.....	114.8	11.8	6.4	5.5	10.2	1,024	110	53	57	10.7
Michigan.....	115.0	15.4	10.4	5.0	13.3	874	112	58	54	12.8
Wisconsin.....	55.2	5.2	2.9	2.3	9.4	477	51	25	25	10.5
West North Central.....	161.1	15.2	9.5	5.8	9.4	1,248	123	69	55	9.9
Minnesota.....	37.4	3.9	2.6	1.3	10.4	359	41	22	19	11.4
Iowa.....	31.6	2.9	1.8	1.1	9.1	203	20	12	8	9.8
Missouri.....	45.0	4.7	2.9	1.8	10.3	394	37	20	17	9.4
North Dakota.....	2.4	.2	.2	.1	9.5	14	1	1	(Z)	9.2
South Dakota.....	3.2	.2	.2	.1	7.1	26	1	1	1	5.4
Nebraska.....	14.0	1.2	.7	.4	8.2	86	8	5	3	9.0
Kansas.....	27.5	2.1	1.1	1.0	7.7	166	15	8	7	8.8
South Atlantic.....	280.7	30.1	17.0	12.9	10.7	2,926	267	131	138	9.1
Delaware.....	9.6	1.1	.7	.4	11.6	66	8	3	5	12.2
Maryland.....	22.5	2.2	1.1	1.1	9.6	226	23	12	12	10.3
District of Columbia.....	1.7	.1	(Z)	(Z)	5.0	17	1	(Z)	1	3.6
Virginia.....	39.7	4.4	2.7	1.7	11.0	403	36	19	17	8.9
West Virginia.....	10.1	1.5	.7	.8	15.3	89	11	4	7	11.8
North Carolina.....	70.9	7.6	4.5	3.1	10.6	604	68	33	35	8.4
South Carolina.....	30.8	3.6	1.7	1.8	11.5	361	34	15	20	9.5
Georgia.....	53.7	4.6	2.3	2.3	8.5	507	41	19	22	8.0
Florida.....	41.7	5.0	3.3	1.7	11.9	453	45	26	19	9.8
East South Central.....	128.9	13.6	7.4	6.2	10.5	1,239	104	50	54	8.4
Kentucky.....	32.6	3.1	1.5	1.6	9.6	245	22	9	12	8.8
Tennessee.....	44.2	4.8	2.8	2.0	10.8	457	38	19	19	8.3
Alabama.....	32.8	3.7	1.9	1.8	11.2	333	30	14	16	8.8
Mississippi.....	20.3	2.0	1.2	.8	9.7	204	14	8	7	7.0
West South Central.....	264.2	31.1	18.2	13.0	11.8	1,651	178	106	73	11.5
Arkansas.....	20.6	2.4	1.6	.9	11.8	191	16	9	8	8.5
Louisiana.....	53.6	6.8	4.0	2.8	12.7	187	19	10	9	10.0
Oklahoma.....	23.5	2.6	1.6	1.0	11.1	183	20	11	9	11.1
Texas.....	166.5	19.3	11.0	8.3	11.6	990	123	76	47	12.4
Mountain.....	60.2	6.9	4.0	2.8	11.5	550	72	47	24	13.1
Montana.....	3.7	.3	.1	.2	7.4	20	1	1	1	6.9
Idaho.....	5.8	.6	.4	.2	10.1	49	4	2	2	8.8
Wyoming.....	2.2	.1	(Z)	.1	6.1	9	(Z)	(Z)	(Z)	4.4
Colorado.....	19.3	2.3	1.6	.7	11.7	193	27	19	8	13.9
New Mexico.....	4.0	.3	.1	.2	6.9	30	2	(Z)	1	4.9
Arizona.....	14.0	2.1	1.3	.8	15.0	145	26	18	7	17.4
Utah.....	9.4	1.0	.5	.5	10.8	83	10	6	4	11.8
Nevada.....	1.8	.2	.1	.1	10.0	20	2	1	1	9.1
Pacific.....	266.9	37.9	26.3	11.7	14.2	2,479	331	215	117	13.4
Washington.....	37.8	9.2	7.6	1.8	24.3	275	55	43	12	19.8
Oregon.....	19.1	2.3	1.5	.9	12.3	186	24	16	8	13.0
California.....	204.1	25.4	16.4	9.0	12.4	1,984	248	152	95	12.4
Alaska.....	2.5	.7	.6	.1	25.8	11	3	3	(Z)	28.4
Hawaii.....	3.4	.3	.2	.1	8.3	23	1	1	1	4.4

- Represents zero. Z Less than \$50 million or fewer than 500.

Source: U.S. Bureau of the Census, Annual Survey of Manufactures, *Origin of Exports of Manufactured Products* MB3(AS)-5.

Manufactures

No. 1320. DOMESTIC IMPORTS OF MANUFACTURED PRODUCTS: 1970 TO 1985

[Import data for 1974-81 are valued on a f.a.s. basis. Data for 1970-73 and 1982-85 are valued on a customs basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (-) indicates decrease]

SIC ¹ code	PRODUCT	1985		GROWTH RATE ² (percent)			IMPORT PENETRATION RATIO ³ (percent)			
		Value (mil. dol.)	Per- cent distri- bution	1970- 1985	1980- 1985	1984- 1985	1972	1977	1982	1984
(X)	Manufacturing.....	277,979	100.0	15.6	13.4	9.1	6.1	7.0	8.5	10.9
(X)	Nondurable.....	84,136	30.3	14.0	10.3	2.1	4.7	5.4	5.8	7.5
20	Food and kindred products.....	12,521	4.5	8.7	3.8	-4.1	3.9	3.8	3.6	4.2
21	Tobacco products.....	78	(2)	10.9	-3.4	-11.3	.6	.7	1.8	.6
22	Textile mill products.....	3,697	1.3	8.7	12.7	4.5	5.6	4.2	5.4	7.2
23	Apparel, other mill products.....	15,711	5.7	18.2	18.1	12.2	7.0	10.3	14.3	20.3
26	Paper and allied products.....	7,696	2.8	11.2	7.2	1.2	5.6	6.3	6.1	8.9
27	Printing and publishing.....	997	.4	13.5	14.3	13.3	1.0	.9	.9	1.2
28	Chemicals and allied products.....	12,708	4.6	16.6	12.7	6.7	3.2	3.9	4.5	8.1
29	Petroleum and coal products.....	16,282	6.6	17.8	6.4	-13.6	7.1	8.5	7.3	10.4
30	Rubber and plastics products.....	4,721	1.7	14.0	11.5	8.2	4.7	5.4	5.1	5.9
31	Leather and leather products.....	7,724	2.8	17.3	17.9	13.6	15.9	21.2	33.9	44.4
(X)	Durable.....	193,844	69.7	16.4	14.9	12.5	7.2	8.3	11.2	13.8
24	Lumber and wood products.....	5,105	1.8	11.6	6.9	5.5	9.4	9.3	8.2	10.0
25	Furniture and fixtures.....	3,220	1.2	19.6	24.3	31.0	2.6	3.6	5.3	7.4
32	Stone, clay, glass products.....	4,296	1.5	14.8	13.7	13.3	3.7	4.0	5.3	7.0
33	Primary metal industries.....	16,978	6.8	11.3	3.9	-6.6	8.9	10.0	14.7	16.4
34	Fabricated metal products.....	7,806	2.8	14.9	12.1	13.2	2.5	3.2	4.3	4.9
35	Machinery, exc. electrical.....	29,233	10.5	18.5	17.8	12.4	5.4	6.3	8.4	12.6
36	Electric and electronic equipment.....	37,558	13.5	19.3	19.3	7.3	7.6	10.4	12.4	18.4
37	Transportation equipment.....	67,713	24.4	17.1	17.1	21.7	9.8	10.2	15.4	16.5
38	Instruments and related products.....	8,805	3.2	17.9	13.4	13.8	6.7	9.2	10.1	12.4
39	Miscellaneous manufacturing industries.....	11,129	4.0	16.0	15.5	16.0	13.3	17.2	24.0	30.5

- Represents zero. X Not applicable. Z Less than .05 percent. ¹ Standard Industrial Classification. ² 1970-75 and 1980-85 rates are compound annual growth rates. ³ Ratio of imports to new supply (product shipments plus imports).

No. 1321. DOMESTIC EXPORTS OF MANUFACTURED PRODUCTS: 1970 TO 1985

[Data are valued on a f.a.s. basis. Data for all years have been adjusted to include comparable commodities in each group. Minus sign (-) indicates decrease]

SIC ¹ code	PRODUCT	1985		GROWTH RATE ² (percent)			RATIO OF EXPORTS TO PRODUCT SHIPMENTS (percent)			
		Value (mil. dol.)	Per- cent distri- bution	1970- 1985	1980- 1985	1984- 1985	1972	1977	1982	1984
(X)	Manufacturing.....	168,892	100.0	11.2	.3	.6	5.6	7.4	9.1	8.0
(X)	Nondurable.....	49,350	29.3	11.4	-.3	-4.6	3.5	4.5	5.4	5.0
20	Food and kindred products.....	10,055	6.0	9.7	-3.7	-9.1	2.9	4.1	4.3	4.0
21	Tobacco products.....	1,234	.7	13.3	2.7	5.5	5.7	9.4	10.3	8.2
22	Textile mill products.....	1,462	.9	8.2	-10.1	-5.1	2.9	4.3	4.9	3.6
23	Apparel, other mill products.....	991	.6	10.4	-9.2	-3.4	1.2	2.2	2.4	1.9
26	Paper and allied products.....	3,886	2.3	10.4	-3.6	-10.1	4.1	4.9	5.5	4.7
27	Printing and publishing.....	1,250	.7	9.2	2.3	-9.3	1.3	1.5	1.7	1.4
28	Chemicals and allied products.....	21,797	12.9	12.1	.7	-3.7	7.6	9.7	12.3	12.0
29	Petroleum and coal products.....	5,433	3.2	16.7	13.8	6.3	1.9	1.4	3.2	2.8
30	Rubber and plastics products.....	2,765	1.6	12.2	-.7	-5.8	3.1	4.0	4.8	4.3
31	Leather and leather products.....	478	.3	14.3	-1.3	-9.2	1.8	3.8	5.7	6.2
(X)	Durable.....	119,342	70.7	11.1	-.6	2.9	7.4	10.0	13.0	10.7
24	Lumber and wood products.....	2,668	1.6	9.4	-6.3	-1.1	4.1	5.8	7.2	5.3
25	Furniture and fixtures.....	483	.3	16.7	1.3	-11.6	.6	1.5	2.5	1.9
32	Stone, clay, glass products.....	1,792	1.1	9.7	-1.4	-5.9	2.4	3.4	4.3	3.8
33	Primary metal industries.....	3,827	2.3	3.6	-15.2	-7.1	2.8	3.0	5.0	3.7
34	Fabricated metal products.....	5,765	3.4	8.7	-3.2	-11.3	3.9	5.6	6.6	5.4
35	Machinery, exc. electrical.....	37,478	22.2	11.0	-.3	14.9	19.5	23.3	20.1	
36	Electric and electronic equipment.....	18,908	11.2	13.7	2.8	-6.5	6.7	10.6	12.7	11.1
37	Transportation equipment.....	38,024	22.5	12.3	5.4	18.1	9.2	11.6	15.6	11.0
38	Instruments and related products.....	8,623	5.1	12.1	2.3	-.4	12.6	16.6	17.4	15.9
39	Miscellaneous manufacturing industries.....	1,773	1.1	6.7	-8.3	-6.4	7.6	9.4	9.5	8.3

X Not applicable. ¹ Standard Industrial Classification. ² See footnote 2, table 1320.

Source of tables 1320 and 1321: U.S. International Trade Administration, *Industrial Outlook*, annual.

No. 1322. BEVERAGE INDUSTRY—SUMMARY: 1970 TO 1984

YEAR AND ITEM	Unit	Total	Malt beverages	Malt	Wine, brandy, brandy spirits	Distilled liquor, exc. brandy	Soft drinks (bottled, canned)	Flavoring, extracts, sirups
1970: Employees	1,000	228	57	2	9	21	129	11
Payroll	Mil. dol.	1,884	616	19	71	171	916	91
Value added by manufacture	Mil. dol.	6,144	2,028	58	258	887	2,121	792
Value of shipments	Mil. dol.	12,373	3,822	210	591	1,758	4,631	1,361
1980: Employees	1,000	199	43	2	11	14	118	11
Payroll	Mil. dol.	3,646	1,122	40	191	253	1,850	181
Value added by manufacture	Mil. dol.	13,708	3,639	162	811	1,849	5,348	1,888
Value of shipments	Mil. dol.	33,041	9,362	680	2,189	3,389	13,809	3,513
1982: Employees	1,000	195	43	2	12	12	114	12
Payroll	Mil. dol.	4,237	1,308	43	245	257	2,146	238
Value added by manufacture	Mil. dol.	16,684	4,535	168	997	1,460	5,856	2,670
Value of shipments	Mil. dol.	38,786	11,195	662	2,783	3,072	16,836	4,238
1983: Employees	1,000	189	41	2	12	11	112	12
Payroll	Mil. dol.	4,353	1,303	43	257	261	2,245	244
Value added by manufacture	Mil. dol.	17,837	5,325	136	1,058	1,535	7,086	2,698
Value of shipments	Mil. dol.	40,228	11,795	587	2,837	3,397	17,321	4,289
1984: Employees	1,000	186	39	2	12	11	110	11
Payroll	Mil. dol.	4,460	1,314	45	274	268	2,288	277
Value added by manufacture	Mil. dol.	18,288	5,394	162	1,081	1,685	7,142	2,825
Value of shipments	Mil. dol.	41,181	11,868	587	2,695	3,405	18,052	4,574

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures and Census of Manufactures, 1982*.

No. 1323. ALCOHOLIC BEVERAGES—SUMMARY: 1970 TO 1984

[For fiscal years ending in year shown; see text, section 10. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 236a for distilled spirits]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Bier: Breweries operated	Number	154	117	95	89	86	92	82	92	96	
Production	Mil. bbl.	135	158	170	176	184	193	195	194	196	93
Imports (Incl. ale, etc.) ²	Mil. bbl.	(NA)	1.7	2.6	3.1	4.1	4.6	5.2	6.3	7.2	
Value of shipments (SIC 2082)	Mil. dol.	3,822	5,641	6,655	7,539	8,353	9,362	10,179	11,195	(NA)	(NA)
Tax-paid withdrawals	Mil. bbl.	123	147	156	160	167	172	177	176	178	176
Stocks on hand, June 30	Mil. bbl.	15	14	14	14	14	15	14	14	15	15
Per capita consumption ⁵	Gallons	28.6	32.8	32.3	33.1	34.0	34.9	35.6	33.4	33.0	32.8
Of domestic output	Gallons	28.4	32.4	31.8	32.4	33.1	34.0	34.5	32.0	31.7	31.5
Distilled spirits:											
Production facilities operated	Number	140	115	96	101	135	143	114	121	121	112
Warehouses operated	Number	274	241	222	220	210	200	198	202	193	202
Production, total ⁶	Mil. tax gal. ⁷	355	278	225	268	246	236	259	217	181	134
Whisky	Mil. tax gal. ⁷	160	50	82	71	104	87	90	96	80	77
Imports ²	Mil. tax gal. ⁷	90.9	113.5	119.1	128.6	123.6	90.7	117.9	106.0	116.4	117.7
Tax-paid withdrawals, total ⁸	Mil. tax gal. ⁷	256	295	296	321	318	330	321	312	306	301
Whisky	Mil. tax gal. ⁷	112	137	126	136	125	42	(NA)	(NA)	(NA)	(NA)
Stocks on hand, June 30, total ⁹	Mil. tax gal. ⁷	1,091	836	726	670	659	696	691	654	640	636
Whisky	Mil. tax gal. ⁷	960	780	668	611	596	566	544	540	523	490
Bottled for consumption, total	Mil. wine gal. ⁹	312	357	361	390	379	392	388	375	377	367
Whisky	Mil. wine gal. ⁹	192	182	166	170	166	165	162	153	154	141
Per capita ⁵	Wine gal. ⁹	2.61	2.49	2.67	2.78	2.70	2.90	2.84	2.62	2.71	2.83
Of domestic output	Wine gal. ⁹	1.91	1.75	1.83	2.02	1.96	2.02	2.02	1.80	1.79	1.80
Still wines: Production ¹⁰	Mil. wine gal. ⁹	713	782	771	731	739	982	901	546	813	691
Imports ²	Mil. wine gal. ⁹	22.1	40.3	58.4	81.3	81.0	90.7	101.1	107.5	58.6	58.8
Tax-paid withdrawals ¹¹	Mil. wine gal. ⁹	204	287	306	213	226	340	363	365	367	376
Stocks on hand, June 30 ¹²	Mil. wine gal. ⁹	207	325	382	431	485	486	602	519	596	565
Per capita ⁵	Wine gal. ⁹	1.70	2.20	2.45	2.54	2.60	2.85	2.68	2.61	2.82	2.83
Of domestic output	Wine gal. ⁹	1.52	1.96	2.35	2.01	2.02	2.02	2.02	2.14	2.10	2.08
Effervescent wines: ¹³											
Production	Mil. wine gal. ⁹	20.0	18.0	21.2	23.8	24.4	26.8	31.2	30.6	36.6	34.3
Imports ²	Mil. wine gal. ⁹	2.0	2.1	3.3	4.9	5.0	5.2	7.9	9.7	11.4	15.7
Tax-paid withdrawals	Mil. wine gal. ⁹	17.1	17.8	20.3	21.2	22.1	24.1	27.0	26.5	31.7	31.4
Stocks on hand, June 30	Mil. wine gal. ⁹	8.1	9.0	10.4	11.4	12.1	11.9	14.4	17.6	21.5	20.1
Per capita ⁵	Wine gal. ⁹ ....	.15	.13	.16	.15	.15	.17	.19	.22	.22	.21
Of domestic output	Wine gal. ⁹ ....	.13	.12	.14	.13	.12	.12	.14	.17	.17	.17

NA Not available. ¹ Barrels of 31 wine gallons (see footnote 8). ² Source: U.S. Bureau of the Census, *Imports for Consumption, General Imports*, FT 246. ³ Source: U.S. Bureau of the Census, *Census of Manufactures, 1977 and 1982* and *Annual Survey of Manufactures*. ⁴ Preliminary. ⁵ Source: U.S. Dept. of Commerce, International Trade Administration, Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad.

⁶ Excludes alcohol produced for industrial use. ⁷ A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnote 9.) A proof gallon is the alcoholic equivalent of a U.S. gallon at 60°F., containing 50 percent of ethyl alcohol by volume. ⁸ Includes ethyl alcohol. ⁹ A wine gallon is the U.S. gallon equivalent of the volume of 231 cubic inches. ¹⁰ Production represents total amount removed from fermenters, including distilling material, and includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1975, 359 million gallons of distilling materials were produced; 1977, 347 million gal.; 1978, 258 mil. gal.; 1979, 259 mil. gal.; 1980, 184 mil. gal.; 1981, 284 mil. gal.; and 1982, 183 mil. gal.; and 1983, 223 mil. gal. and 1984, 189 mil. gal. ¹¹ Includes special natural wines. ¹² Excludes distilled materials. ¹³ Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

Manufactures

NO. 1324. FOOD MANUFACTURING INDUSTRY—SUMMARY: 1970 TO 1985

[Covers manufacturers of food and kindred products (Standard Industrial Classification Code 20); based on various editions of the Standard Industrial Classification Manual, see text, section 13]

ITEM	Unit	1970	1975	1976	1978	1979	1980	1981	1982	1983	1984	1985
Total employees ¹	1,000.....	1,786	1,658	1,724	1,733	1,708	1,671	1,636	1,615	1,612	1,608	
Production workers.....	1,000.....	1,207	1,120	1,174	1,191	1,175	1,150	1,126	1,114	1,120	1,122	
Avg. hourly earnings, prod. workers.....	Dollars.....	3.15	4.61	5.80	6.27	6.85	7.44	7.92	8.19	8.38	8.57	
Salaries and wages.....	Bil. dol.	11.7	15.9	20.3	21.7	23.2	24.7	26.1	26.6	27.4	(NA)	
Value added by manufacture ²	Bil. dol.	32.3	48.1	62.9	68.7	75.5	80.8	88.4	93.4	98.0	(NA)	
Value of shipments ³	Bil. dol.	98.5	172.2	216.1	236.0	265.2	272.1	280.5	287.1	300.0	(NA)	
Total assets.....	Bil. dol.	23.8	33.0	41.7	44.6	48.6	48.8	58.6	61.5	(NA)	(NA)	
Capital expenditures, new ⁴	Bil. dol.	2.1	3.4	4.8	5.0	5.8	6.0	6.7	5.8	6.4	(NA)	
Corporate profits before taxes ⁵	Bil. dol.	4.8	6.8	10.2	11.5	13.0	14.3	13.3	14.8	15.5	20.9	
Corporate profits after taxes ⁶	Bil. dol.	2.6	5.2	6.2	7.3	8.2	9.1	8.4	9.4	9.8	12.5	
Ratio of profits to stockholders' equity	Percent.....	10.8	14.4	13.8	14.7	14.7	14.0	13.0	12.2	13.3	15.3	
Profits per dollar of sales ⁶	Cents.....	2.5	3.2	3.2	3.3	3.4	3.2	3.1	3.3	3.3	4.1	

NA Not available. ¹ See headnote, table 678. Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

² See footnote 7, table 1303. ³ See footnote 8, table 1303. ⁴ Includes expenditures for plants in operation and plants under construction but not yet in operation. ⁵ Source: Through 1981, U.S. Federal Trade Commission; thereafter U.S. Bureau of the Census, *Quarterly Financial Report for Manufacturing, Mining and Trade Corporations*. Data are not necessarily comparable from year to year due to changes in accounting procedures, industry classifications, sampling procedures, etc.; for detail, see source. ⁶ After tax profit rates are averages of quarterly figures at annual rates.

Source: Except as noted, U.S. Bureau of the Census, *1982 Census of Manufactures*, and *Annual Survey of Manufactures*.

NO. 1325. TOBACCO MANUFACTURES INDUSTRY—SUMMARY: 1972 TO 1984

[In millions of dollars, except as indicated. Represents Standard Industrial Classification Code 21. Includes cigarettes, cigars, chewing and smoking tobacco, and tobacco stemming and redrying]

ITEM	1972 Census	1977 Census	1978 ASM	1979 ASM	1980 ASM	1981 ASM	1982 Census	1983 ASM	1984 ASM
All employees:									
Number (1,000).....	66.3	60.6	59.1	58.6	58.0	61.1	57.8	54.8	51.7
Payroll.....	502	751	813	908	1,045	1,219	1,324	1,355	1,354
Value added by manufacture	2,637	4,334	4,607	5,343	6,148	6,430	8,965	9,642	10,767
Cost of materials.....	3,281	4,730	5,375	5,240	6,091	6,691	7,099	6,541	6,683
Value of shipments.....	5,920	9,051	9,951	10,601	12,195	13,130	16,061	16,252	17,440
New capital expenditures.....	133	182	254	237	367	726	697	649	670

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972, 1977, and 1982; and *Annual Survey of Manufactures*.

NO. 1326. TOBACCO PRODUCTS—PRODUCTION AND CONSUMPTION: 1970 TO 1985

[Production data are for years ending June 30. Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 239-241]

ITEM	Unit	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Production:													
Cigarettes ¹	Billions	562	627	688	673	688	707	702	744	711	688	657	(NA)
Cigars ¹	Billions	8.0	8.3	6.7	5.8	5.6	5.1	4.9	5.0	4.5	4.3	4.5	(NA)
Tobacco ²	Mil. lb.	164	155	153	155	156	156	163	162	160	159	159	158
Per capita consumption: ³													
All products	Lb. ⁴	9.6	9.1	8.7	8.5	8.1	8.3	8.0	7.6	7.5	7.2	6.9	6.7
Cigarettes	1,000.....	4.0	4.1	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.5	3.5	3.4
Cigars ⁵	Number.....	60	39	36	33	30	27	25	23	22	22	20	18
Tobacco ⁶	Lb. ⁴ .....	.83	.72	.73	.70	.68	.69	.69	.64	.65	.64	.63	.61

NA Not available. ¹ Large and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual. ² Smoking and chewing tobaccos and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco*, quarterly. ³ Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. ⁴ Unstemmed processing weight equivalent. ⁵ Weighing over 3 pounds per 1,000.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*, quarterly.

NO. 1327. MILL CONSUMPTION OF NATURAL FIBERS: 1970 TO 1985

[In million of pounds. See *Historical Statistics, Colonial Times to 1970*, series P 229 and P 230, for wool and silk]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985, pres.
Cotton, total ¹	3,854	3,309	3,027	3,414	3,170	3,041	3,077	3,036	2,715	2,468	2,808	2,715	2,813
Wool, total ²	240	94	110	122	108	115	117	123	139	116	141	142	119
Fax, total	6	7	3	4	3	4	2	2	4	8	5	6	4
Silk, total	2	3	1	3	2	2	1	2	2	2	1	2	2

¹ Reported by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For foreign cotton, 20 pounds deducted. ² Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other spinning systems and consumption in batting and felt manufacture.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Outlook and Situation*, April 1986.

No. 1328. COTTON, WOOL, AND MANMADE FIBERS—QUANTITY AND DISTRIBUTION IN SELECTED CONSUMER PRODUCTS: 1980 TO 1983

[Represents products manufactured by U.S. mills]

END-USE AND YEAR	Total (mil. lb)	COTTON		WOOL		MAN-MADE FIBERS			
		Total (mil. lb)	Per- cent end- use	Total (mil. lb)	Per- cent end- use	Total (mil. lb)	Per- cent end- use	Cellulosic ¹	
								Total (mil. lb)	Per- cent end- use
Total:									
1980.....	12,111	3,125	25.8	169	1.4	8,817	72.8	748	6.2
1981.....	11,855	2,909	24.5	194	1.7	8,752	73.8	724	6.1
1982.....	10,484	2,672	25.5	169	1.6	7,643	72.9	529	5.1
1983.....	12,461	2,986	24.0	204	1.6	9,271	74.4	576	4.6
Apparel:									
1980.....	4,728	1,652	35.0	125	2.6	2,951	62.4	298	6.3
1981.....	4,495	1,595	35.5	148	3.3	2,752	61.2	309	6.9
1982.....	4,031	1,511	37.5	127	3.1	2,393	59.4	211	5.3
1983.....	4,649	1,742	37.5	153	3.3	2,754	59.2	229	4.9
Home furnishings:									
1980.....	3,656	802	22.0	26	.7	2,828	77.3	170	4.6
1981.....	3,522	744	21.1	29	.9	2,749	78.0	156	4.4
1982.....	3,145	677	21.5	26	.9	2,442	77.6	104	3.3
1983.....	3,914	776	19.8	32	.8	3,106	79.4	134	3.5
Industrial: ²									
1980.....	3,109	412	13.2	11	.3	2,686	86.5	249	8.0
1981.....	3,348	404	12.1	12	.3	2,932	87.6	231	6.9
1982.....	2,972	369	12.4	10	.4	2,593	87.2	195	6.5
1983.....	3,618	377	10.4	14	.4	3,227	89.2	196	5.4

¹ Rayon and acetate.

² Nylon, polyester, acrylic, olefin, saran, spandex, and textile glass.

³ Includes consumer-type products.

NO. 1329. FILAMENT YARN AND STAPLE AND TOW SHIPMENTS AND TRADE: 1980 TO 1983

[In millions of pounds]

SHIPMENTS	1980	1982	1983	TRADE	1980	1982	1983
Filament yarn, total.....	3,783.2	3,046.4	3,582.8	Exports, total.....	617.5	336.2	279.6
Acetate.....	269.2	169.0	197.6	Man-made fibers.....	351.8	215.0	183.9
Nylon.....	1,538.9	1,165.6	1,392.4	Cellulosic.....	30.8	18.6	17.0
Polyester.....	1,363.4	1,134.8	1,294.4	Yarn.....	20.0	11.7	11.0
Olefin.....	611.7	577.0	698.6	Staple.....	10.8	6.9	6.0
Staple and tow, total ¹	3,873.2	3,313.1	4,005.4	Noncellulosic.....	321.0	196.4	166.9
Rayon.....	390.7	293.7	333.5	Yarn.....	141.0	82.5	70.0
Nylon.....	711.2	673.3	897.1	Staple.....	180.0	113.9	96.9
Acrylic and modacrylic.....	585.3	457.9	492.2	Cotton.....	259.3	114.9	90.6
Polyester.....	2,071.0	1,767.5	2,099.2	Wool.....	6.4	6.3	5.1
				Imports, total.....	214.6	291.5	434.6

¹ Includes items not shown separately.

Source of tables 1328 and 1329: Textile Economics Bureau, Inc., Roseland, NJ, *Textile Organon*, monthly. (Copyright.)

NO. 1330. U.S. EXPORTS AND IMPORTS OF TEXTILES AND APPAREL PRODUCTS: 1980 TO 1985

[In millions of dollars. Excludes glass fibers, linoleum, rubber and leather apparel and clothing donated for charity. Minus sign (—) indicates deficit]

PRODUCT	1980	1984	1985	PRODUCT	1980	1984	1985
Exports.....	4,458	2,713	2,712	Imports.....	8,139	16,457	18,309
Textile mill products.....	3,457	2,068	2,112	Textile mill products.....	2,372	4,383	4,714
Yarn and thread.....	642	471	589	Yarn and thread.....	168	482	506
Cotton broad woven fabric.....	546	174	203	Cotton broad woven fabric.....	433	878	837
Other, broad woven and knit fabric.....	809	455	477	Other, broad woven and knit fabric.....	784	1,293	1,363
Narrow fabric.....	106	173	160	Narrow fabric.....	43	84	93
Special fabric.....	709	363	284	Special fabric.....	299	348	361
Made-up articles.....	318	212	222	Made-up articles.....	362	794	1,019
Textile floor coverings.....	327	220	197	Textile floor coverings.....	283	504	545
Apparel.....	1,001	645	600	Apparel.....	5,767	12,074	13,595
				Trade balance.....	-3,681	-13,744	-15,597

Source: U.S. Bureau of the Census, *U.S. General Imports, Schedule A Commodity by Country*, Report FT135, and *U.S. Exports, Schedule E Commodity by Country*, Report FT410, monthly.

Manufactures

No. 1331. MALE AND FEMALE CLOTHING—PRODUCTION: 1970 TO 1984

[In millions of units, except as indicated. See also *Historical Statistics, Colonial Times to 1970*, series P 242 and 243]

ITEM	1970	1975	1980	1983	1984	ITEM	1970	1975	1980	1983	1984
MALE CLOTHING											
Men's suits ¹	17.7	13.7	14.8	10.9	12.0	Blouses ⁵ (mil. doz.)	13.3	18.3	25.6	25.2	23.3
Boys' suits ²	4.7	2.5	3.4	2.8	2.9	Dresses	251	174	176	164	162
Separate trousers (men's)	173.6	118.9	125.1	113.0	123.0	Suits ⁶	8.8	9.0	17.6	13.4	11.3
Separate coats ³	16.1	13.1	17.9	21.1	22.3	Slacks	113.0	219.9	159.8	173.2	162.0
Woven shirts, men's ⁴ (mil. doz.)	20.8	17.4	13.1	10.4	10.4	Jeans	113.0	219.9	98.2	94.4	88.9
Casual slacks	123.6	153.3	89.0	57.5	54.7	Skirts	83.1	56.3	98.9	101.5	98.5
Jeans	242.7	184.8	202.1			Untrimmed coats	17.0	18.4	17.0	12.0	11.9
Work shirts (incl. flannels) (mil. doz.)	4.1	2.9	3.6	2.9	3.4	Fur-trimmed coats	4.7				
						Knit outerwear:					
						Sweaters (mil. doz.)	5.3	6.6	4.1	6.1	6.6
						Sport shirts ⁷ (mil. doz.)	4.0	7.8	10.0	74.5	13.5

¹ Beginning 1975, excludes leisure suits. ² Includes uniform suits and coats. ³ Includes men's and boys' coats. Beginning 1975, excludes leisure coats. ⁴ Includes knit and woven dress and woven sport. ⁵ Beginning 1983 includes only woven blouses. ⁶ Beginning 1980, includes pant suits. ⁷ Beginning 1983 includes blouses.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23E, MA-23F, and MA-23G.

No. 1332. NONRUBBER FOOTWEAR—SUMMARY: 1970 TO 1984

[In millions of pairs, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series P 260-261, for men's and women's shoes]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Apparent consumption											
Production, shoes and slippers	801.7	727.9	786.3	745.7	787.7	832.9	745.1	729.8	829.7	911.9	1,018.3
Production, shoes and slippers	562.3	413.1	422.5	391.1	418.9	398.4	396.9	372.0	359.1	338.2	301.4
Percent exported	.4	1.1	1.4	1.3	1.7	2.3	1.6	2.6	2.2	2.2	3.0
Value (bil. dol.)	2.9	3.1	3.5	1.37	3.8	4.3	4.7	4.5	4.8	4.8	4.5
Shoes, sandals, playshoes (production) ⁸	460.8	339.1	355.5	322.0	335.6	320.6	323.5	302.2	305.1	281.5	247.4
Imports	241.5	319.4	369.8	360.0	375.7	443.6	403.5	369.0	479.5	580.2	725.8
Percent of total consumption	30.1	43.9	47.0	48.3	47.7	53.3	51.6	50.6	57.8	63.6	71.3

¹ Source: U.S. Bureau of the Census, *Census of Manufactures*, 1977. ² Beginning 1980, includes items not shown separately.

Source: Except as noted, U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

No. 1333. CHEMICALS AND ALLIED PRODUCTS—INDUSTRY SUMMARY: 1972 TO 1984

[In millions of dollars, except as noted]

ITEM	1972	1975	1977	1978	1979	1980	1981	1982	1983	1984
Employment, total (1,000)										
Salaries and wages	837	842	880	896	895	910	892	873	851	843
Production workers (1,000)	8,731	11,227	13,839	15,287	16,516	18,269	19,723	20,836	21,411	22,665
Work-hours (million)	525	510	544	548	552	545	533	509	496	491
Value added	1,054	1,001	1,090	1,099	1,106	1,080	1,067	1,004	981	979
Value of shipments ¹	32,414	44,976	56,721	61,506	70,356	74,384	80,032	77,315	86,473	94,728
Assets, total	57,365	89,721	118,154	129,357	147,674	162,517	180,459	170,737	183,206	198,233
Rents, total	38,812	50,565	65,300	71,712	76,148	82,112	88,769	95,125	102,226	106,365
Export value ²	293	453	513	531	542	597	659	644	734	782
Import value ²	4,183	8,655	10,700	12,628	17,466	21,094	21,660	20,021	19,688	22,249
Imperial value ²	1,749	3,098	4,414	5,570	6,035	6,891	7,855	7,600	9,333	11,927

¹ Value of products and services sold by 28 group industries.

² Source: U.S. International Trade Administration, *U.S. Industrial Outlook*, annual.

Source: Except as noted, U.S. Bureau of the Census, *Census of Manufactures*, 1972, 1977, and 1982; and *Annual Survey of Manufactures*.

No. 1334. RUBBER—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1970 TO 1984

[In thousands of long tons. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content), neoprene, butyl, butadiene-acrylonitrile, polyisobutylene, chlorosulfonated polyethylene, and polysulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic]

ITEM	1970	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
New supply												
Domestic production ¹	3,042	3,285	2,826	3,332	2,557	3,772	3,816	3,137	3,147	2,649	2,996	3,315
Synthetic	2,398	2,492	2,077	2,496	2,600	2,830	2,889	2,294	2,277	1,861	2,030	2,255
Imports ²	2,197	2,358	1,958	2,387	2,481	2,705	2,764	2,209	2,190	1,788	1,956	2,185
Natural	644	793	749	836	957	943	927	843	870	788	966	1,060
Exports ²	324	305	250	303	275	302	437	484	405	338	304	382
Synthetic	299	284	226	281	252	284	416	472	389	325	289	376
Stocks, end of year ¹	645	644	528	642	582	608	370	279	299	235	220	251

¹ Includes reclaimed and synthetic.

² Natural, synthetic and reclaimed.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30A.

Iron and Steel Industry—Mill and Foundry Products

743

No. 1335. IRON AND STEEL INDUSTRY—SUMMARY: 1970 TO 1984

[The universe for financial data for 1982 represents companies who produced 82 percent of the reported raw steel production. The financial data represents the operations of the steel segment of companies. Minus sign (—) indicates net loss]

ITEM	Unit	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	
Steel mill products, apparent supply	Mil. tons ¹	97.1	89.0	108.4	116.6	115.0	95.2	105.4	76.4	83.5	98.9	
Net shipments	Mil. tons ¹	90.8	80.0	91.1	97.9	100.3	83.9	88.5	61.6	67.6	73.7	
Exports	Mil. tons ¹	7.1	3.0	2.0	2.4	2.8	4.1	2.9	1.8	1.2	1.0	
Imports	Mil. tons ¹	13.4	12.0	19.3	21.1	17.5	15.5	19.9	16.7	17.1	26.2	
Percent of total supply	Percent	13.8	13.5	17.8	18.1	15.2	16.3	18.9	21.8	20.5	26.4	
Japan	Percent	(NA)	6.6	7.2	5.6	5.5	6.3	5.9	5.1	6.7	6.7	
EEC ²	Percent	(NA)	4.6	6.3	6.4	4.7	4.1	6.1	7.3	4.9	8.4	
Canada	Percent	(NA)	1.1	1.7	2.0	2.0	2.5	2.7	2.4	2.9	3.2	
Scrap consumed	Mil. tons ¹	69.3	82.8	69.3	76.3	77.2	66.6	68.3	43.7	49.0	66.1	
Scrap produced	Mil. tons ¹	46.4	40.1	42.4	44.8	45.4	36.9	38.4	23.5	23.9	29.5	
Scrap inventory	Mil. tons ¹	6.5	7.6	7.7	6.9	7.4	6.9	7.1	5.3	5.0	5.3	
Iron and steel products: Exports	Mil. tons ¹	8.1	4.1	3.2	3.5	3.8	5.1	3.8	2.6	1.8	1.7	
Imports	Mil. tons ¹	14.6	13.9	21.7	24.1	20.3	17.9	22.6	18.8	19.3	29.5	
Revenue	Bil. dol.						40.8	37.7	43.8	28.7	25.0	30.5
Net income	Bil. dol.						.8	.7	1.7	—3.4	—2.2	—2.2
Stockholders' equity ³	Bil. dol.						14.3	14.5	15.4	11.3	8.2	8.9
Total assets	Bil. dol.						29.3	30.8	31.7	27.9	25.5	26.7
Net fixed assets	Bil. dol.						16.8	17.7	18.2	17.8	15.9	16.9
Capital expenditures	Bil. dol.						2.5	2.7	2.4	2.3	1.9	1.2
Working capital ratio ⁴	Ratio						1.7	1.6	1.7	1.5	1.3	1.4
Inventories	Bil. dol.						5.0	4.7	5.4	4.0	3.3	4.2
Average employment	1,000	531	457	452	449	453	399	391	289	243	236	
Hours worked	Million	1,220	855	876	892	894	758	753	526	475	474	
Index of output, all employees ⁵	1977 = 100	88	93	100	108	107	103	112	91	116	128	
Capacity by steelmaking process	Mil. net tons	(NA)	153.1	160.0	157.9	153.3	153.7	154.3	154.0	150.6	135.3	
Producer price indexes: ⁶												
Iron and steel, total	1967 = 100	115.1	200.8	230.4	253.6	283.5	305.2	333.8	339.0	343.4	356.9	
Steel mill products	1967 = 100	114.2	197.2	228.9	254.5	280.4	302.7	337.6	349.5	352.8	366.0	
Blast and electric furnace products	1967 = 100	114.8	264.7	257.1	260.0	296.7	307.4	316.2	316.6	309.3	308.2	
Iron ore	1967 = 100	100.1	154.3	186.1	194.9	216.7	244.8	268.4	278.7	282.1	282.1	
Scrap, iron and steel	1967 = 100	138.8	245.6	231.2	284.8	341.9	328.1	327.4	232.9	250.1	288.1	
Foundry and forge shop products	1967 = 100	112.1	194.3	230.5	249.5	277.1	310.0	329.8	345.5	351.1	380.6	

NA Not available. ¹ In millions of short tons. ² European Economic Community; includes Belgium, Denmark, France, Federal Republic of Germany, Ireland, Italy, Luxembourg, The Netherlands, and the United Kingdom.

³ 1970, as of December 31; thereafter, as of January 1. ⁴ Current assets to current liabilities. ⁵ Index of output per employee hour.

⁶ Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

Source: Except as noted, American Iron and Steel Institute, Washington, DC, *Annual Statistical Report*. (Copyright.)

No. 1336. MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1970 TO 1984

ITEM		1970	1975	1979	1980	1981	1982	1983	1984	1985
Ferrous castings (1,000 sh. tons): ¹										
Gray iron castings ² ³	13,945	13,328	15,402	11,799	11,801	8,215	9,247	10,520	9,748	
Pressure pipe and fittings	1,681	1,380	1,546	1,396	1,249	1,100	1,268	1,538	1,617	
Soil pipe and fittings	953	449	482	375	410	353	368	393	382	
All other	11,301	11,499	13,374	10,028	10,142	6,782	6,049	8,589	7,749	
Malleable iron castings ⁴	852	770	715	450	422	284	291	380	396	
For sale	521	484	376	206	200	119	98	180	188	
For own use	331	286	339	244	222	166	193	200	198	
Standard malleable	628	534	496	312	291	181	181	241	259	
Pearlitic malleable	224	236	219	138	129	94	100	139	127	
Steel castings ² ³	1,724	2,026	2,039	1,878	1,743	1,017	729	940	881	
Carbon	1,147	1,758	1,342	1,225	1,102	609	420	581	574	
Alloy	577	268	697	653	641	408	309	359	307	
Nonferrous castings (1,000 sh. tons): ² ³										
Copper and copper-base alloy	391	315	363	285	283	222	249	285	270	
Aluminum and aluminum-base alloy	771	728	1,151	845	910	803	949	1,092	1,106	
Zinc and zinc-base alloy	398	356	332	243	236	208	245	266	344	
Magnesium and magnesium-base alloy	18	19	14	13	11	9	13	14	18	
Lead and lead-base alloy die ⁵	28	21	22	23	19	19	28	27	29	
Copper-based products (mil. lb.): ⁶										
Brass mill products	5,624	4,715	6,750	5,820	6,035	4,861	4,899	5,427	4,784	
Alloyed ⁴	2,513	2,025	2,976	2,467	2,622	2,014	2,116	2,717	2,363	
Unalloyed	1,542	1,324	1,869	1,508	1,695	1,247	1,245	1,661	(NA)	
Copper wire mill products ⁷	971	701	1,107	959	927	767	876	1,056	(NA)	
Brass and bronze foundry products	2,329	2,056	3,048	2,783	2,847	2,393	2,285	2,138	1,880	
Aluminum mill products (mil. lb.): ⁸										
Plate, sheet, and foil	7,358	7,427	11,241	10,485	10,329	9,116	10,624	11,076	11,092	
Extruded shapes and tubing	4,247	4,664	7,205	6,692	6,829	6,050	7,171	7,195	7,255	
Rolled structural shapes, rod, bar, cable ⁹	1,823	1,643	2,426	2,329	2,104	1,961	1,980	2,583	2,784	
Powder, flake and paste	205	99	126	117	108	80	79	99	107	
Forgings and Impacts	120	97	147	134	139	152	173	10	204	149

¹ Based on a sample of foundries. ² Beginning 1975, data not strictly comparable with 1970. ³ Includes shipments "for own use." ⁴ Includes ductile (nodular) iron castings. ⁵ Excludes lead die castings for battery plates and parts. ⁶ Excludes webbing scrap (military ammunition cans and discs). ⁷ Copper content. ⁸ Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products. ⁹ Includes wire.

¹⁰ Includes welded tubes.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33-2, M33A, M33E, and U.S. Bureau of the Census and U.S. International Trade Administration, *Current Industrial Reports*, series ITA-9008, annual.

Manufactures

No. 1337. RAW STEEL, PIG IRON AND FERROALLOYS PRODUCTION: 1970 TO 1985

[In millions, except percent. See also *Historical Statistics, Colonial Times to 1970*, series P 265-269]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
RAW STEEL (net tons)												
World production.....	654.2	712.0	745.6	741.8	790.6	824.5	790.4	779.4	710.7	730.9	782.2	791.9
U.S. production.....	131.5	116.6	128.0	125.3	137.0	136.3	111.8	120.8	74.6	64.6	62.5	88.3
Percent of world.....	20.1	16.4	17.2	16.9	17.3	16.5	14.2	15.5	10.5	11.6	11.8	11.1
Basic oxygen process.....	63.3	71.8	79.8	77.4	83.5	83.3	67.6	73.2	45.3	52.1	52.8	51.9
Electric.....	20.2	22.7	24.6	27.9	32.2	33.9	31.2	34.1	23.2	26.6	31.4	28.9
Open hearth.....	48.0	22.2	23.5	20.0	21.3	19.1	19.0	13.5	6.1	5.9	8.3	6.4
Carbon.....	117.4	100.4	112.0	108.1	116.9	116.2	94.7	101.5	64.1	73.8	79.9	76.7
Alloy and stainless.....	14.1	16.3	16.0	17.2	20.1	20.1	17.1	19.3	10.5	10.8	12.6	11.6
PIG IRON AND FERROALLOYS (sh. ton)												
Total production ¹	93.5	79.9	86.9	81.3	87.7	87.0	68.7	73.6	43.3	48.7	51.9	49.9
Basic.....	86.4	75.9	82.9	78.2	84.5	84.0	67.0	71.2	42.6	48.1	51.1	(NA)
All other.....	7.1	4.0	4.0	3.1	3.2	3.0	1.7	2.4	1.2	.6	.8	(NA)

NA Not available. ¹ Beginning 1975, includes blast furnace ferroalloys.

No. 1338. STEEL PRODUCTS—NET SHIPMENTS, BY MARKET CLASSES: 1970 TO 1985

[In thousands of short tons. Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1970	1975	1979	1980	1981	1982	1983	1984	1985
Total¹	90,798	79,957	100,262	83,853	88,450	61,567	67,583	73,739	73,043
Automotive.....	14,475	15,214	18,621	12,124	19,154	9,288	12,320	12,882	12,950
Steel service centers, distributors.....	16,025	12,700	18,246	16,172	17,637	13,067	16,710	18,364	18,439
Construction, incl. maintenance.....	8,913	8,119	9,978	8,742	8,446	6,283	7,271	7,522	7,900
Containers, packaging, shipping.....	7,775	8,053	6,772	5,551	5,292	4,470	4,532	4,352	4,089
Machinery, industrial equipment, tools.....	5,189	5,173	5,998	4,543	4,624	2,584	2,484	2,886	2,271
Steel for converting and processing.....	3,443	3,255	5,058	4,117	5,058	3,222	4,403	5,156	5,484
Rail transportation.....	3,098	3,152	4,111	3,165	2,162	1,020	937	1,438	1,081
Contractor's products.....	4,440	3,927	3,745	3,148	3,230	2,287	2,703	2,631	3,330
Oil and gas industries.....	3,550	4,171	3,739	5,371	6,238	2,745	1,296	2,003	2,044
Electrical equipment.....	2,694	2,173	2,819	2,441	2,600	2,003	2,337	2,365	1,869
Appliances, utensils, and cutlery.....	2,180	1,653	2,140	1,725	1,775	1,337	1,618	1,635	1,466
Other domestic commercial equipment.....	1,778	1,399	2,073	1,701	1,622	1,247	1,363	1,398	1,216
Agricultural, incl. machinery.....	1,126	1,429	1,971	1,240	1,249	944	699	673	829
Independent forgers, n.e.c.....	1,048	1,098	1,254	933	1,035	579	573	775	708
Shipbuilding and marine equipment.....	859	1,413	924	1,201	1,101	399	471	471	337

¹ Total includes market classes not shown and nonclassified shipments.Source of tables 1337 and 1338: American Iron and Steel Institute, Washington, DC, *Annual Statistical Report*. (Copyright.)

No. 1339. MACHINE TOOL ORDERS AND SHIPMENTS: 1965 TO 1985

[In millions of dollars. These data represent total industry volume based on reports from members of the National Machine Tool Builders' Association. The reporting companies produce about 90 percent of the U.S. machine tool output]

YEAR	METAL CUTTING TYPE TOOLS				METAL FORMING TYPE TOOLS					
	New orders (net)		Shipments		Order backlog, end of period	New orders (net)		Shipments		
	Total	Domestic	Total	Domestic		Total	Domestic	Total	Domestic	
1965	1,252	1,123	1,023	886	899	442	410	403	363	412
1966	1,630	1,483	1,222	1,098	1,307	446	401	483	437	394
1967	1,135	1,025	1,353	1,211	1,089	287	248	453	407	228
1968	1,079	980	1,358	1,238	810	395	361	389	324	255
1969	1,195	1,033	1,192	1,077	812	533	484	405	369	383
1970	851	507	993	827	471	261	227	450	412	235
1971	809	524	672	554	408	252	223	326	286	162
1972	1,009	877	714	627	702	403	368	304	287	261
1973	1,825	1,550	1,074	935	1,454	787	717	427	388	621
1974	2,017	1,716	1,446	1,241	2,025	566	406	585	522	521
1975	916	781	1,879	1,548	1,082	361	213	573	485	219
1976	1,662	1,477	1,482	1,270	1,242	541	509	578	474	209
1977	2,202	1,981	1,651	1,470	1,794	793	731	630	560	384
1978	3,373	3,043	2,189	1,960	2,981	973	897	825	729	518
1979	4,495	3,868	2,930	2,606	4,546	1,126	920	947	850	619
1980	3,885	3,496	3,881	3,208	4,750	870	665	1,011	879	385
1981	2,228	1,846	4,105	3,652	2,873	717	617	991	824	427
1982	1,064	850	2,885	2,599	1,043	433	372	710	600	151
1983	1,152	1,069	1,372	1,200	823	545	489	474	430	222
1984	1,916	1,700	1,607	1,484	1,132	1,000	932	679	608	542
1985	1,853	1,652	1,742	1,549	1,243	675	610	803	743	414

Source: National Machine Tool Builders Association, McLean, VA; data published in U.S. Bureau of Economic Analysis, *Business Statistics*, 1979, for 1965-1978; thereafter, *Survey of Current Business*, monthly.

Robots—Electronic Shipments

745

No. 1340. ROBOTS, ACCESSORIES, AND COMPONENTS—SHIPMENTS, UNITS, AND VALUE: 1984 AND 1985

[Based on a survey of all known manufacturers of robots, robot accessories, and components. Approximately 75 companies reported shipments in 1984 and 72 in 1985. Shipment value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. A robot is a reprogrammable multi-functional manipulator designed to move materials, parts, tools, or specialized devices through variable programmed motions for the performance of a variety of tasks. Robots are presently classified in the Standard Industrial Classification (SIC) based on their primary industrial function]

ITEM	UNITS SHIPPED (number)		VALUE OF SHIPMENTS (\$1,000)	
	1984	1985	1984	1985
Robots, robot accessories, and components...				
Robots, complete...	(x)	(x)	281,189	387,508
Servo-controlled robots...	6,534	5,796	225,528	317,657
Point-to-point type:	2,676	3,272	206,018	296,862
Welding, soldering, brazing, and/or cutting (welding type)...	627	839	56,932	74,646
Foundry, forging, and/or heat treating ¹	20	12	1,851	745
Machine tool loading and/or unloading	67	53	4,131	3,785
Assembly for non-electronic and electronic products.....	411	547	29,908	17,761
Material handling and/or parts transfer, n.e.c. ²	402	463	30,962	30,962
Other point-to-point type, n.e.c.	86		4,384	4,384
Continuous-path type:				
Welding, soldering, brazing, and/or cutting (welding type)...	239	287	16,569	22,352
Spraying, painting, gluing, and/or sealing.....	449	626	45,988	83,352
Feathering, grinding, polishing, and/or deburring ³		29		1,523
Nonservo-controlled robots	570	496	16,219	18,015
Other robots	3,288	2,028	3,291	2,780
Robot accessories, subassemblies, components, and parts, sold separately...				
End-of-arm tooling for robots	(x)	(x)	55,661	69,851
Vision, sonic, force, tactile, and proximity sensors	(x)	(x)	1,280	3,929
Interface modules	(x)	(x)	15,244	17,965
Compliance devices ⁴	(x)	(x)	2,239	8,573
Robot accessories, subassemblies, components, and parts, n.e.c. ⁵	(x)	(x)	28,325	43,249
Miscellaneous receipts:				
Research and development, testing, and evaluation of systems and components (receipts and billings, not reported as shipments of specific products).....	(x)	(x)	14,469	9,161

X Not applicable. ¹ Includes inspection, measuring, gauging, and/or sorting. ² N.e.c.=Not elsewhere classified.

³ Includes other continuous-path type, not elsewhere classified. ⁴ Includes joint locating and guidance systems for welding and guarding and safety devices.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA 35X(84-1).

No. 1341. ELECTRONICS SHIPMENTS: 1975 TO 1985

[In millions of dollars, except percent. Minus sign (–) indicates decrease]

TYPE OF ELECTRONICS	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985
VALUE										
Total.....	42,269	57,052	69,459	84,138	100,169	116,709	127,735	138,723	193,095	201,407
Computers and industrial electronics.....	13,457	20,172	25,697	32,412	38,998	47,225	54,301	57,468	66,328	73,210
Communications equip. and systems.....	14,302	19,225	21,837	25,734	30,772	35,659	39,130	42,119	47,494	52,315
Electronic components.....	9,286	13,518	17,076	21,243	25,581	28,771	29,513	33,875	42,979	38,854
Consumer electronics.....	5,224	4,182	4,849	4,749	4,840	5,054	4,791	5,261	5,992	5,700
ANNUAL PERCENT CHANGE										
Total.....	-.6	18.8	21.7	21.1	19.1	16.5	9.4	8.6	39.2	4.3
Computers and industrial electronics.....	3.5	19.6	27.4	26.1	20.3	21.1	15.0	5.8	18.9	7.1
Communications equip. and systems.....	9.5	22.5	13.6	17.8	19.6	15.9	9.7	7.6	12.8	10.2
Electronic components.....	-10.7	15.1	26.3	24.4	20.3	12.6	2.6	14.8	26.9	-9.6
Consumer electronics.....	-13.8	12.6	15.9	-2.1	1.9	4.4	-5.2	9.8	13.9	-4.9

¹ Includes other products and related services not shown separately.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

Manufactures

NO. 1342. SELECTED ELECTRONIC AND ASSOCIATED PRODUCTS—VALUE OF SHIPMENTS BY CLASS OF PRODUCT: 1978 TO 1984

(In millions of dollars. Based on a survey of all establishments with 20 or more employees for industries 3661, 3662, 3671, 3674, 3875, 3876, 3677, 3678, 3679, and 3693; includes all known manufacturers of telephone and telegraph apparatus, communications systems and equipment, and electronic equipment. See source for details. N.e.c. means not elsewhere classified.)

Product code ¹	PRODUCT DESCRIPTION	1978	1979	1980	1981	1982	1983	1984
(x)	Selected electronic and associated products	42,966	51,255	60,450	71,373	77,568	83,030	97,586
36611	Telephone switching and switchboard equipment	3,231	3,653	4,254	4,363	4,448	4,651	5,533
36612	Other telephone and telegraph (wire) apparatus, equipment, and components	4,896	6,049	6,893	7,501	6,980	6,792	8,148
36621	Communication systems and equipments ²	3,810	4,245	5,139	5,722	6,854	7,557	8,686
36822	Broadcast, studio, related electronic equipment	737	946	1,187	1,446	1,544	1,464	1,449
36524	Alarm systems	1,906	1,067	1,193	761	834	980	938
36625	Search and detection systems and navigation and guidance system and equipment	8,141	8,773	12,139	15,040	17,733	19,982	21,972
36626	Vehicular and pedestrian traffic control systems ³	(1)	(1)	(1)	501	413	481	474
36828	Intercommunications systems	(1)	(1)	(1)	162	163	176	182
36829	Electronic systems and equipment, n.e.c. ⁴	1,713	2,081	2,490	2,900	3,111	3,120	3,338
36711	Electron tubes receiving type ⁵	(*)	88	82	63	43	56	42
36712	Cathode ray picture tubes, including rebuilt ⁵	685	746	915	913	830	926	963
36713	Transmitting, industrial, and special-purpose electron tubes, exc. X-ray ⁵	8792	698	778	883	964	1,090	1,133
36741	Integrated microcircuits (semiconductor networks)	3,538	4,717	6,606	6,978	7,322	8,903	13,212
36742	Transistors	508	571	600	638	597	626	836
36743	Diodes and rectifiers	440	500	490	616	494	541	761
36748	Other semiconductor devices	1,026	1,113	1,393	2,079	2,317	2,411	2,454
36750	Capacitors for electronic applications	875	939	1,184	1,277	1,209	1,288	1,540
36760	Resistors for electronic applications	623	748	809	804	725	783	916
36770	Coils, transformers, reactors, and chokes for electronic applications	654	776	852	952	842	966	1,148
36781	Coaxial (RF) connectors				219	214	211	224
36782	Cylindrical connectors				455	388	415	500
36783	Rack and panel connectors	1,286	1,674	2,018	393	365	420	441
36784	Printed circuit connectors				460	444	598	725
36785	Parts for connectors				675	717	942	1,265
36791	Filters exc. microwave and piezoelectric				536	408	423	489
36792	Magnetic recording tape ⁷				1,053	954	959	1,545
36793	Microwave components and devices				621	766	762	876
36794	Relays				245	282	524	580
36795	Transducers electrical/electronic input or output, n.e.c.	6,716	7,909	9,619	377	446	512	536
36796	Switches, mechanical types for electronic circuitry				1,664	2,147	2,553	3,208
36797	Printed circuit boards				2,320	2,502	2,835	3,007
36798	Complex components				4,302	3,973	4,277	5,793
36799	All other electronic components, n.e.c.				1,004	1,342	1,544	1,734
36931	X-ray and other irradiation equipment	735	845	800	1,937	2,419	2,557	2,520
36933	Electromedical equipment	1,133	1,438	1,613	1,47	137	187	202
36934(pt)	Automatic garage door openers, electronic	105	132	129			920	480
36992(pt)	Electronic games arcade, amusement center type	413	248	452	1,037	(1,279	479	134
36947(pt)	Electronic games, home electronic type							

X Not applicable. ¹ For 1980 and previous years product classes 36624, 36626, and 36628 were combined with 36623. Data for previous product class 36623 is included in 36624 to improve comparability with the 1982 Census of Manufactures.

² Excludes broadcast. ³ Includes electric railway systems and attachments. ⁴ Effective for 1981, product class 36627 has been changed to 36829 to improve comparability with the 1982 Census of Manufactures. ⁵ For 1978 and subsequent years, industries 3671-3673 were merged into industry 3671; product classes previously published with codes 36710, 36720, and 36730 are shown here with codes 36711, 36712, and 36713, respectively. ⁶ For 1978, product class 36711 was combined with 36713 to avoid disclosing figures for individual companies. ⁷ Similar products are collected on the Current Industrial Report MA35R, Computers and Office and Accounting Machines, and the data were added together to form the complete product classification.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, MA36N(84)-1.

NO. 1343. COMPUTERS AND OFFICE AND ACCOUNTING MACHINES—VALUE OF SHIPMENTS: 1975 TO 1984

(In millions of dollars. Based on a survey of all known producers of these products except the very small firms (generally less than 10 employees). Includes approximately 898 companies. For details, see source.)

Product code	PRODUCT DESCRIPTION	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
35731	Electronic computers	2,123	2,814	3,579	5,254	6,908	8,077	10,786	11,356	12,702	17,159
35732	Peripheral equipment for electronic computing systems	3,732	5,035	6,026	7,111	8,976	11,730	14,015	14,853	16,749	18,878
35734(pt)	Parts and attachments ¹	1,622	2,051	2,392	2,747	3,782	4,513	4,298	7,008	7,518	10,240
35744	Electronic calculating machines	467	426	377	400	452	476	422	239	188	127
35743	Accounting machines and cash registers	259	398	405	488	636	708	767	901	1,026	1,181
35745(pt)	Parts and attachments ²	100	87	41	46	66	53	66	110	133	135
35783	Duplicating machines	103	134	200	193	248	199	193	156	170	170
35795	Mailing, letter-handling, and addressing machines	172	195	235	285	313	361	405	387	508	714
35792	Auto. typing and word processing machines	991	1,117	1,342	1,673	1,935	2,360	11,415	1,479	1,577	1,903
35799	Standard typewriters, dictating, transcribing recording and other office machines										
3578A(pt)	Parts and attachments ³	88	105	254	170	215	202	251	228	228	215

¹ For electronic computers and peripheral equipment, produced by complete machine manufacturers.

² For adding, calculating, and accounting machines and cash registers.

³ For duplicating, dictating, and other office machines.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA35R(84)-1.

Computer Shipments and Sales—Telecommunications

747

No. 1344. COMPUTER SHIPMENTS AND REVENUES: 1981 TO 1985

[Revenue is in if-sold, end-user dollars]

ITEM	UNIT	1981	1982	1983	1984	1985
Computer outlays, total ¹	Bil. dol.	15.6	21.2	29.1	38.4	43.9
Percent change...	Percent	34.8	36.2	37.2	31.9	14.4
Mainframe computers, units shipped ²	1,000	1.7	2.2	2.5	2.6	2.5
Revenues...	Bil. dol.	5.7	7.5	8.5	9.4	9.2
Super minicomputers, units shipped ³	1,000	3.9	4.6	5.2	6.3	7.2
Revenues...	Bil. dol.	2.6	2.9	3.1	3.4	3.6
Departmental computers, units shipped ⁴	1,000	54.0	61.9	72.6	87.2	104.0
Revenues...	Bil. dol.	4.1	5.0	6.1	7.0	7.7
Multiluser microcomputers ⁵	1,000	78.4	106.9	146.4	196.7	210.4
Revenues...	Bil. dol.	1.4	1.9	2.6	3.6	3.8
Engineering and technical systems shipped ⁶	1,000	8.7	7.7	11.9	20.8	36.5
Revenues...	Bil. dol.	.2	.2	.2	.4	.7
Personal computers shipped ⁷	Millions.	.76	2.48	5.79	7.75	7.59
Revenues...	Bil. dol.	1.7	3.8	8.6	14.7	19.0
Local area network sales	Mil. dol.	28.1	62.5	151.9	321.0	540.3
Number of connections ⁸	1,000	33.0	77.9	185.0	420.0	720.0

¹ Shipments into the U.S. market from any manufacturing country. ² Units costing more than \$1.5 million. ³ Units costing \$25,000 to \$1.5 million. ⁴ Units costing \$25,000 to \$250,000. ⁵ Units priced below \$25,000. ⁶ Single-user systems for technical and engineering applications, excluding CAD/CAM workstations from turnkey vendors. ⁷ Units costing less than \$10,000. ⁸ Number of new connections of devices, including terminals, computers, and workstations.

¹ Units costing more than \$1.5 million. ² Units costing \$25,000 to \$1.5 million. ³ Units costing \$25,000 to \$1.5 million. ⁴ Units costing \$25,000 to \$250,000. ⁵ Single-user systems for technical and engineering applications, excluding CAD/CAM workstations from turnkey vendors. ⁶ Units costing less than \$10,000. ⁷ Number of new connections of devices, including terminals, computers, and workstations.

Source: Dataquest Inc., San Jose, CA, unpublished data.

No. 1345. DOMESTIC PERSONAL COMPUTER SALES AND USE: 1981 TO 1985

ITEM	UNIT	1981	1982	1983	1984	1985
Personal computers sold	Mil. units...	1.11	3.53	6.90	7.70	7.10
Value...	Bil. dol.	3.14	5.93	9.78	14.48	18.20
Personal computers in use, total ¹	Mil. units...	2.12	5.53	12.17	18.39	25.87
Workplace...	Mil. units...	1.24	2.26	4.00	6.47	9.46
Business: 1-49 employees...	Mil. units...	.30	.55	.99	1.68	2.56
50-999 employees...	Mil. units...	.24	.44	.77	1.24	1.65
Over 999 employees...	Mil. units...	.47	.88	1.61	2.64	3.78
Government...	Mil. units...	.24	.40	.62	.91	1.27
Education...	Mil. units...	.13	.27	.54	.94	1.45
Kindergarten through grade 12 ...	Mil. units...	.10	.21	.40	.70	1.09
College/university...	Mil. units...	.03	.06	.14	.24	.36
Homes...	Mil. units...	.75	3.00	7.64	11.99	14.98
Personal computer-related equipment in use:						
Impact printers...	Mil. units...	.72	1.90	4.26	8.68	13.11
Nonimpact printers...	Mil. units...	.02	.10	.31	.67	1.25
Plotters...	Mil. units...	.02	.05	.12	.24	.46
Monochrome monitors...	Mil. units...	.97	2.24	4.68	8.19	12.06
Color monitors...	Mil. units...	.13	.48	1.29	2.79	5.03
Modems...	Mil. units...	.18	.53	1.41	3.02	5.07
Add-in boards ² ...	Mil. units...	2.41	5.68	11.43	19.50	30.69

¹ Excluding multiuser personal computers. ² Excluding add-in modem boards.

Source: Future Computing, Inc., Dallas, TX, unpublished data.

No. 1346. TELECOMMUNICATIONS REVENUE: 1980 TO 1985

[In millions of dollars]

ITEM	1980	1981	1982	1983	1984	1985
Total...	99,899	109,303	122,186	129,685	127,598	142,528
Public markets...	92,479	100,816	112,605	118,921	114,904	128,804
Transmission equipment ¹ ...	1,768	1,967	2,183	2,598	2,930	3,307
Switching equipment ² ...	2,349	2,629	2,389	2,216	2,631	2,753
Public services ³ ...	88,362	95,220	108,033	114,086	108,154	122,312
Cellular mobile radio ⁴ ...	-	-	-	21	189	432
On-premises markets ...	7,420	8,487	9,581	10,764	12,694	13,724
Terminal equipment ⁵ ...	713	864	1,032	1,425	1,941	2,353
Data communications equipment ⁶ ...	875	1,109	1,556	2,030	2,746	3,226
Local area network connections ...	10	28	62	152	321	540
Switching equipment ⁷ ...	5,645	6,280	6,657	6,766	7,208	7,007
Attached network functions ⁸ ...	177	216	274	382	478	588

¹ Represents zero. ² Includes multiplex, carrier, microwave radio, and satellite earth station equipment. ³ Includes central office, OCC, and private packet switching equipment. ⁴ Includes local and long distance telephone services, and public data network services. ⁵ Includes cellular telephone equipment and cellular network services. ⁶ Includes single-line telephone equipment and integrated V/D work-stations, and facsimile equipment. ⁷ Includes data PBX systems, key, PBX, and centrex telephone systems, and automatic call distributors. ⁸ Includes call accounting equipment, and voice messaging and video teleconferencing systems.

Source: Dataquest Inc., San Jose, CA, unpublished data.

Manufactures

No. 1347. INDUSTRIAL ELECTRONIC EQUIPMENT—SHIPMENTS BY TYPE: 1975 TO 1985

[In millions of dollars]

TYPE OF EQUIPMENT	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total ¹	13,457	16,865	20,164	25,697	32,412	38,896	47,225	51,002	56,425	(NA)	(NA)
Computer and peripheral equipment.....	7,478	9,900	11,706	15,117	19,665	24,320	29,099	31,545	37,132	46,584	50,310
Computers.....	2,123	2,814	3,299	5,254	6,908	8,077	10,786	11,338	13,150	(NA)	(NA)
Peripheral equipment.....	3,732	5,035	6,015	7,116	8,976	11,730	14,015	14,655	16,150	(NA)	(NA)
Auxiliary storage equipment.....	937	1,518	2,024	2,472	3,090	3,956	4,274	4,033	3,800	(NA)	(NA)
Serial access storage.....	387	441	589	723	667	743	777	918	1,150	(NA)	(NA)
Magnetic storage media:											
Disks: Rigid.....	(2)	(2)	146	98	141	217	235	298	400	(NA)	(NA)
Flexible (floppy).....	(2)	(2)	76	74	138	212	277	411	600	(NA)	(NA)
Computer tape, cassette, etc....	260	243	(NA)	47	53	115	108	144	170	(NA)	(NA)
Computer terminals:											
General purpose:											
Single CRT	413	731	760	885	1,303	2,055	1,892	2,021	2,250	(NA)	(NA)
Teletypers.....	277	321	335	332	360	491	638	692	770	(NA)	(NA)
Special purpose, including graphic.....	103	217	177	196	267	325	553	653	810	(NA)	(NA)
Parts for electronic computers.....	479	757	940	1,288	1,586	1,503	1,652	2,250	3,000	(NA)	(NA)
Parts for peripheral equipment.....	1,144	1,294	1,452	1,459	2,196	3,010	2,846	3,299	4,200	(NA)	(NA)
Controlling, processing equipment.....	2,492	2,640	3,102	3,793	4,417	5,084	6,107	5,869	5,587	6,375	6,880
Testing, measuring equipment.....	1,552	1,598	1,922	2,483	3,125	3,584	4,144	4,478	5,200	6,009	6,700
Medical electronic equipment.....	829	1,283	1,715	2,189	2,481	2,703	3,917	4,845	4,977	5,280	4,472
Nuclear electronic equipment.....	292	312	351	427	419	384	447	427	490	5,280	480

NA Not available.

¹ Includes other types of equipment not shown separately.² Combined with "Computer tape, cassette, cartridge, drum, etc."

No. 1348. CONSUMER ELECTRONIC PRODUCTS—SHIPMENTS, BY TYPE: 1975 TO 1985

[In millions of dollars]

PRODUCT	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	5,224	6,739	8,145	9,107	9,359	10,891	12,453	12,516	14,575	17,758	19,485
Color TV receivers.....	2,268	2,755	3,269	3,674	3,685	4,210	4,349	4,253	5,002	5,539	5,562
Video cassette recorders.....	34	65	180	326	389	621	1,127	1,303	2,162	3,565	4,739
Car audio ¹	355	497	534	552	623	1,368	2,000	2,100	1,900	2,484	2,300
Separate audio components.....	652	1,027	1,275	1,143	1,178	1,424	1,363	1,181	1,268	913	1,132
Portable audio tape equipment ²	653	1,055	1,208	1,649	1,739	1,403	1,157	971	1,102	1,191	1,232
Audio systems ³	474	489	606	748	748	809	720	573	630	976	1,372
Blank video cassettes.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	357	580	931	1,284
Home radios.....	372	356	523	436	436	468	501	530	565	661	561
Monochrome TV receivers.....	416	495	530	549	561	598	505	507	485	419	309
Color cameras.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	147	232	303	355	227
Projection TV.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	287	236	288	385	488
Blank audio cassettes.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	242	219	249	275	277
Video disc players.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	55	54	81	45	(NA)

NA Not available. ¹ Prior to 1980, data reflects factory installed products only. ² Prior to 1980, data includes some tape equipment other than portable.³ Prior to 1981, data include console phonographs.Source of tables 1347 and 1348: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual.

No. 1349. MACHINERY (EXCEPT ELECTRICAL)—INDUSTRY SUMMARY: 1977 TO 1984

SIC code	INDUSTRY	1977		1982				1984			
		Employees		Value of shipments (mil. dol.)	Employees		Value of shipments (mil. dol.)	New capital expenditures (mil. dol.)	Employees		Value of shipments (mil. dol.)
		Number (1,000)	Payroll (mil. dol.)		Number (1,000)	Payroll (mil. dol.)			Number (1,000)	Payroll (mil. dol.)	
35	Total.....	2,083	30,558	122,188	2,189	46,911	187,896	8,537	2,052	50,093	210,408
351	Engines and turbines.....	130	2,238	10,426	112	2,850	19,040	728	106	3,238	15,494
352	Farm and garden machinery.....	151	2,197	11,857	114	2,386	13,108	392	9,999	2,238	13,098
353	Constr. and related machinery.....	333	5,097	23,682	326	7,332	32,038	1,578	238	6,048	27,135
354	Metalworking machinery.....	298	4,514	13,283	283	6,086	18,150	713	264	6,264	19,828
355	Special industry machinery.....	185	2,016	9,128	183	3,748	13,128	393	169	3,974	14,108
356	General industrial machinery.....	313	4,451	16,542	314	6,493	24,459	904	279	6,508	24,991
357	Office and comput. machines.....	259	3,949	16,842	404	9,437	43,028	2,648	428	11,891	58,715
358	Refrig. and service machinery.....	192	2,516	12,416	172	3,344	16,450	415	187	4,127	20,583
359	Miscellaneous machinery, except electrical.....	223	2,980	8,012	282	5,235	14,497	787	283	5,806	16,657

Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

No. 1350. ELECTRIC AND ELECTRONIC EQUIPMENT—INDUSTRY SUMMARY: 1977 TO 1984

SIC ¹ CODE	INDUSTRY	1977		1982			1984				
		Employees		Value of ship- ments (mil. dol.)	Employees		Value of ship- ments (mil. dol.)	New capital expendi- tures (mil. dol.)	Employees		
		Num- ber (1,000)	Pay- roll (mil. dol.)		Num- ber (1,000)	Pay- roll (mil. dol.)			Num- ber (1,000)	Pay- roll (mil. dol.)	
36	Total	1,723	22,544	88,433	1,915	38,414	147,944	7,542	2,033	46,842	187,895
361	Electric distributing equipment	115	1,431	5,772	105	1,995	8,108	220	100	2,083	6,867
362	Electrical industrial apparatus	198	2,543	9,591	191	3,706	13,825	680	191	4,168	15,881
363	Household appliances	162	1,898	10,737	129	2,223	12,644	305	133	2,630	16,248
364	Electric lighting and wiring equipment	165	1,925	8,357	159	2,718	12,048	340	165	3,225	14,855
365	Radio and TV receiving equipment	98	1,097	5,913	66	1,154	7,833	141	64	1,341	10,309
366	Communication equipment	459	6,995	22,744	601	13,979	46,426	2,298	638	17,228	56,703
367	Electronic components and accessories	374	4,557	15,390	516	9,770	34,517	3,013	582	12,648	47,983
369	Miscellaneous electrical equipment and supplies	152	2,098	8,930	147	2,869	12,544	510	161	3,520	17,149

¹ Standard Industrial Classification.Source: U.S. Bureau of the Census, *Census of Manufactures, 1982*, and *Annual Survey of Manufactures*.

No. 1351. ELECTRONIC COMPUTING EQUIPMENT INDUSTRY—SUMMARY: 1975 TO 1984

[In millions of dollars, except as indicated. Data for the noncensus years (all years except 1977 and 1982) are based on sample surveys and are therefore subject to sampling errors. Included in SIC 3573. See source for further detail]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Employment, total (1,000)	162.5	165.7	192.7	232.1	273.9	304.6	320.7	397.9	364.4	373.7
Salaries and wages	2,292	2,451	3,004	3,814	4,777	5,916	6,951	8,053	9,130	10,471
Production workers (1,000)	73.8	71.3	85.5	102.9	122.0	134.7	136.0	140.9	150.1	157.7
Work-hours (million)	145.8	144.0	172.4	202.3	243.8	268.7	263.0	274.5	298.2	309.6
Workers wages	731	707	978	1,287	1,546	1,875	2,116	2,352	2,695	3,026
Value added	4,960	6,108	7,624	9,628	12,485	14,717	17,745	19,588	20,878	25,886
Supplemental labor cost	343	399	528	698	904	1,097	1,296	1,605	1,834	2,090
Cost of materials	3,705	4,380	5,701	7,519	9,985	12,787	14,774	17,481	21,418	29,379
Value of shipments	8,560	10,388	12,924	16,558	21,466	26,594	32,032	36,767	41,977	53,524
New capital expenditures	292	373	652	1,101	1,317	1,708	2,125	2,381	2,341	3,037
Inventories	2,284	2,294	3,008	3,989	5,524	6,879	7,863	8,446	9,085	11,719
Assets, total	2,232	2,353	3,042	4,076	5,196	6,790	8,451	10,250	12,189	(NA)
Rents, total	82	86	112	147	204	251	292	356	434	(NA)
Ratio of—										
Cost of materials, supplemental labor cost, and salaries and wages to value of shipments .....	.741	.686	.714	.727	.730	.745	.719	.738	.772	.783
Cost of materials to value of shipments .....	.433	.422	.441	.454	.465	.481	.461	.476	.510	.549
Value added to value of shipments .....	.548	.588	.590	.581	.581	.553	.554	.533	.497	.483
Value added to work-hours	32.15	42.42	44.22	47.59	51.13	54.77	67.48	71.40	70.01	83.55

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactures*.

No. 1352. ELECTRONIC COMPONENTS AND ACCESSORIES INDUSTRY—SUMMARY: 1975 TO 1984

[In millions of dollars, except as indicated. Included in SIC 367. See headnote, table 1351]

ITEM	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984, prel.
Employment, total (1,000)	302.3	323.0	373.5	412.3	467.6	498.6	503.5	515.8	515.0	582.3
Salaries and wages	3,358	3,763	4,557	5,294	6,461	7,780	8,664	9,770	10,605	12,648
Production workers (1,000)	197.6	218.8	257.9	286.7	324.5	336.6	325.8	329.0	337.4	374.7
Work-hours (million)	389.3	438.7	508.7	556.9	632.5	650.1	631.3	626.3	642.4	736.7
Workers wages	1,705	1,964	2,457	2,887	3,484	4,050	4,366	4,645	5,015	6,018
Value added	5,984	7,568	9,260	10,981	14,213	16,902	18,537	21,214	23,610	30,427
Supplemental labor cost	538	669	811	998	1,232	1,487	1,723	2,085	2,294	2,752
Cost of materials	3,984	5,008	6,390	7,210	9,206	11,434	12,159	13,584	13,912	18,190
Value of shipments	10,089	12,433	15,390	17,912	22,708	27,647	30,421	34,517	37,184	47,983
New capital expenditures	536	651	783	1,119	1,591	2,616	2,455	3,013	3,887	4,410
Inventories	2,050	2,320	2,773	3,275	4,376	5,388	5,745	6,438	6,841	8,037
Assets, total	4,868	5,228	6,026	6,964	8,142	10,615	12,567	15,489	17,809	(NA)
Rents, total	108	112	107	115	145	189	247	284	315	(NA)
Ratio of—										
Cost of materials to value of shipments .....	.395	.403	.415	.403	.405	.414	.400	.394	.374	.379
Value added to value of shipments .....	.593	.609	.602	.613	.627	.611	.609	.615	.635	.634
Value added to work-hours	15.37	17.25	18.20	19.72	22.38	26.00	29.36	33.87	36.75	41.30

NA Not available.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1977* and *1982*, and *Annual Survey of Manufactures*.

No. 1353. FACTORY SALES OF ELECTRONIC COMPONENTS BY TYPE: 1974 TO 1985

[In millions of dollars]

TYPE OF COMPONENT	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	10,403	9,286	11,747	13,518	17,076	21,334	25,561	28,771	29,547	33,875	42,979	38,854
Solid state products	3,114	2,580	4,311	4,363	5,511	7,201	9,089	10,809	10,729	12,613	17,493	14,430
Parts	2,830	2,593	2,947	3,534	4,313	6,030	7,080	7,647	7,403	6,311	9,902	9,820
Capacitors	676	470	608	744	897	1,050	1,299	1,297	1,169	1,277	1,619	1,198
Resistors ¹	514	447	449	477	504	647	653	636	583	638	698	587
Passive networks	(NA)	32	47	61	82	111	118	139	138	153	226	193
Coils and transformers	536	489	485	560	654	776	852	952	842	966	1,148	1,190
Connectors	789	734	828	986	1,286	1,674	2,018	2,203	2,148	2,586	3,175	3,425
Switches	132	141	118	182	303	366	349	377	446	512	536	550
Filters	62	71	64	81	99	126	121	124	142	167	198	200
Quartz crystals	121	209	266	197	227	201	277	413	266	257	291	300
Wire and cable	(*)	(*)	(*)	(*)	(*)	789	1,066	1,176	1,304	1,386	1,597	1,750
Relays	(NA)	(NA)	82	174	177	199	243	245	282	289	342	355
TV and FM antennas, parts	(*)	(*)	(*)	72	84	91	84	85	83	80	72	72
Electron tubes	1,196	1,071	1,218	1,276	1,426	1,554	1,734	1,946	1,871	2,032	2,118	2,064
Receiving tubes	167	152	140	144	134	105	91	100	76	62	36	32
Power, special purpose	416	420	456	519	585	682	728	845	911	890	1,040	1,070
TV tubes	613	499	622	613	707	767	915	1,001	884	980	1,042	962
Other components ²	3,265	3,042	3,271	4,345	5,826	7,658	8,869	9,544	10,919	13,466	12,540	

NA Not available. ¹ U.S. consumption. ² Included in "Other components". ³ Includes sockets, delay lines, loudspeakers, magnetic components, transducers, printed circuit boards, microwave components, assemblies, and parts.

Source: Electronic Industries Association, Washington, DC, *Electronic Market Data Book*, annual. (Copyright.)

NO. 1354. TRANSPORTATION EQUIPMENT—VALUE OF SHIPMENTS: 1972 TO 1984

[In millions of dollars. "N.e.c." means not elsewhere classified]

TYPE OF EQUIPMENT	1972	1975	1977	1979	1980	1981	1982	1983	1984, prel.
Aircraft ¹	7,598	10,881	12,053	18,925	23,366	25,109	24,235	26,377	24,978
Aircraft engines and engine parts	3,070	4,458	4,995	7,884	10,010	11,556	11,641	11,516	12,641
Aircraft equipment, n.e.c.	3,437	4,842	5,762	8,052	9,946	10,509	10,789	13,171	15,227
Boat building and repairing	1,031	1,290	1,822	2,238	2,129	2,249	2,307	2,594	3,322
Motor homes built on purchased chassis	(NA)	(NA)	1,495	962	836	1,189	1,036	1,893	1,911
Motor vehicles and car bodies	41,046	43,394	72,979	80,133	61,428	69,457	66,705	80,935	112,958
Motor vehicle parts and accessories	19,417	23,023	37,842	42,906	35,627	40,215	38,414	46,776	55,805
Motorcycles, bicycles, and parts	541	705	847	1,112	1,180	1,180	1,143	1,151	1,263
Railroad equipment	2,284	3,885	4,002	7,913	7,173	4,597	2,879	1,946	2,671
Ship building and repairing ²	3,201	5,513	6,270	7,466	8,889	10,690	10,655	9,342	9,471

NA Not available. ¹ See table 1064 for number of civil aircraft shipments. ² Value of work done.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1972, 1977, and 1982, and *Annual Survey of Manufactures*.

NO. 1355. HOME APPLIANCES AND HOME AUTO ELECTRONICS—IMPORTS: 1982 TO 1985

ITEM	NUMBER (1,000)				RETAIL VALUE (\$1,000)			
	1982	1983	1984	1985	1982	1983	1984	1985
Major appliances:								
Freezers	88	80	96	44	14,626	16,710	21,973	14,207
Microwave ovens	1,108	2,472	4,471	13,816	197,571	341,177	559,142	762,858
Refrigerator/freezer combination	608	783	1,072	2,389	50,725	68,070	94,955	102,936
Audio:								
Antennas, CB	754	843	632	696	3,040	4,135	3,315	3,102
Antennas, radio	9,399	10,658	9,745	9,844	29,224	36,448	52,203	46,182
Audio frequency elec. amplifiers	5,562	4,697	3,628	4,519	145,387	155,950	188,879	263,473
Headphones ¹	13,023	16,363	30,193	26,395	44,324	67,939	119,357	101,976
Loudspeakers	69,335	57,693	44,290	64,237	231,608	222,658	278,226	365,889
Microphones	5,651	4,444	2,249	2,175	21,552	20,166	25,240	26,925
Radios, total	35,579	40,624	49,425	47,156	641,366	677,404	696,278	814,802
Auto. transistors	1,894	1,986	539	2,941	96,145	103,975	30,655	208,783
Clock transistor	8,433	12,121	15,571	13,031	115,004	163,791	196,832	158,914
AM transistor (not battery)	606	612	867	695	21,931	13,250	15,195	28,706
AM transistor (battery)	4,847	4,530	5,784	4,854	16,229	14,497	30,328	25,238
FM/AM/FM multi-band transistor radios (not battery)	2,150	2,467	3,007	3,358	167,914	174,260	192,642	190,007
FM/AM/FM multi-band transistor radios (battery operated)	17,708	18,908	23,657	22,277	222,143	201,631	230,516	205,154
Radio/phone combination ²	42	46	49	56	1,363	2,242	2,334	3,668
Radio/phone/tape player combination	303	338	420	1,795	25,857	23,547	29,611	118,272
Record changers, auto	1,212	390	175	285	19,123	4,889	3,500	14,305
Stereo phonos	96	105	247	354	8,503	9,024	14,990	19,653
Turntables, auto	672	715	661	1,380	43,017	40,286	49,343	74,248
Turntables, other	1,554	1,838	2,002	2,620	72,967	96,596	152,183	233,805
Transcenders/CB	1,359	664	1,151	1,461	50,877	31,498	41,668	46,248
Tape recorders, players ³	36,959	41,562	52,677	49,617	1,678,708	1,775,697	2,293,906	2,407,874
Auto...	2,561	3,168	2,632	2,240	66,746	70,286	69,504	64,375
Cassette/cartridge, stereo	2,313	2,757	2,174	2,389	184,250	202,145	169,645	170,406
Open reel, stereo	64	71	46	54	17,194	10,263	7,856	10,035

¹ Electric sound amplifier sets. ² Includes consoles. ³ Includes other types not shown separately.

Source: Dealerscope Merchandising, Philadelphia, PA, *Merchandising*, 64th Annual Statistical and Marketing Report.

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NO. 1356. HOME APPLIANCES AND HOME AND AUTO ELECTRONICS—SHIPMENTS AND RETAIL VALUE:
1981 TO 1985

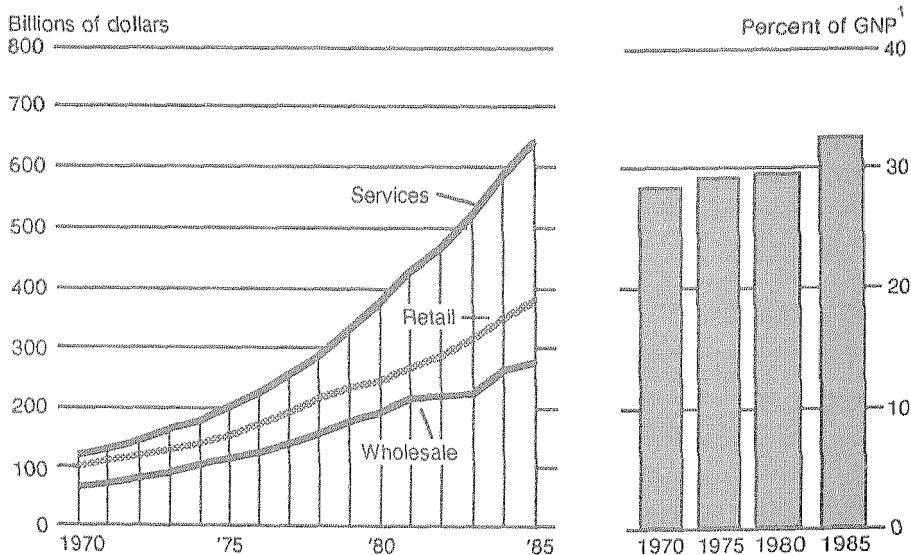
(Compiled from report of associations and manufacturers. Retail value represents median price of product times the number of units shipped. Except as indicated, covers electric appliances only)

PRODUCT	MANUFACTURES SHIPMENTS (1,000 units)					RETAIL VALUE (mil. dol.)				
	1981	1982	1983	1984	1985	1981	1982	1983	1984	1985
Major appliances	32,982	28,711	34,421	41,370	43,963	13,297	12,016	14,439	16,906	17,537
Air treatment	3,997	3,118	2,462	3,736	3,712	1,483	1,220	966	1,495	1,491
Air conditioners	8,236	2,505	1,829	2,928	2,900	1,302	1,070	805	1,284	1,286
Dehumidifiers	531	435	437	587	586	90	78	80	107	106
Air cleaners, electronic	230	178	196	220	226	91	72	82	95	99
Kitchen appliances ¹	20,583	18,054	23,274	28,114	30,113	8,877	7,958	10,105	11,641	12,092
Refrigerators ²	4,997	4,365	5,255	5,731	5,874	3,227	2,937	3,607	4,001	4,121
Microwave ovens	4,575	4,201	6,006	9,020	10,633	2,275	1,979	2,588	3,382	3,468
Ranges, electric	2,413	2,041	2,839	3,164	3,218	1,026	902	1,299	1,477	1,517
Dishwashers	2,573	2,181	3,054	3,428	3,512	952	846	1,205	1,358	1,416
Freezers ³	1,589	1,290	1,166	1,114	1,140	724	621	558	545	546
Ranges, gas	1,501	1,383	1,578	1,736	1,807	619	585	695	785	821
Disposers	3,067	2,693	3,514	4,052	4,068	321	293	395	468	469
Ranges, smooth top	134	103	104	94	86	80	64	66	60	66
Trash compactors	171	145	152	178	175	49	43	46	55	55
Home laundry	7,087	6,403	7,426	8,195	8,626	2,597	2,538	3,034	3,414	3,556
Dryers	2,692	2,612	3,111	3,484	3,701	921	898	1,102	1,259	1,326
Electric	2,221	2,026	2,456	2,734	2,871	683	683	857	973	1,011
Gas	671	586	655	750	830	228	215	246	287	314
Washers	4,195	3,791	4,315	4,711	4,925	1,676	1,641	1,932	2,154	2,231
Compact appliances ⁴	1,315	1,136	1,259	1,325	1,512	340	300	334	356	399
Video	18,601	19,798	24,584	29,021	33,393	7,876	8,246	10,360	12,041	(NA)
TV, color	11,282	11,377	13,939	15,946	16,894	5,685	5,841	6,695	7,297	7,250
Videocassette recorders	1,330	2,030	4,020	7,143	11,912	1,057	1,344	2,303	3,444	(NA)
TV, black and white	5,542	5,750	5,761	5,068	3,745	616	626	614	518	367
TV projection	121	117	142	192	261	272	277	285	347	437
Video cameras	196	284	410	484	402	188	265	358	380	266
Videodisc players	160	240	312	188	179	80	93	106	55	51
Audio/HIFI	73,923	71,939	75,561	73,313	73,891	4,933	4,586	4,978	4,900	5,046
Components ⁵	8,431	8,192	8,599	8,378	8,800	1,561	1,475	1,518	1,510	1,653
Amps, pre-amps	358	365	360	351	344	(NA)	(NA)	(NA)	(NA)	(NA)
Tuners	193	201	221	198	193	(NA)	(NA)	(NA)	(NA)	(NA)
Compact disc players	(NA)	(NA)	45	200	850	(NA)	(NA)	33	104	264
Speakers	3,197	2,970	3,237	3,902	3,345	454	418	452	465	474
Receivers	1,440	1,421	1,550	1,553	1,533	420	381	390	391	394
Turntables	2,304	2,239	2,120	1,696	1,442	322	314	280	213	172
Tape decks	784	836	880	890	906	173	175	172	161	176
Cassette	634	707	775	816	836	130	137	141	138	156
8-Track	60	49	39	26	25	8	7	5	3	3
Open reel	90	80	66	48	47	35	31	26	20	18
Portable tape units	28,093	28,050	28,803	27,494	27,934	1,588	1,474	1,441	1,336	1,345
Racked systems	(NA)	(NA)	540	810	877	(NA)	(NA)	358	492	528
Radios	27,881	26,518	28,188	27,391	27,528	883	819	863	823	808
Compact systems	3,578	2,966	2,748	2,565	2,538	693	584	550	491	484
Headphones	2,241	2,584	2,809	3,090	3,167	113	114	125	134	134
Cartridges	3,699	3,629	3,774	3,585	3,047	115	118	122	114	94
Autosound ⁶	19,823	20,741	21,132	21,815	22,023	1,856	1,773	1,851	1,953	1,992
UD ⁷ cassette player	722	692	694	615	554	56	58	59	45	38
UD ⁷ Cassette/radio combo	607	556	519	426	371	77	70	59	40	31
ID ⁸ cassette/ radio combo	2,899	3,228	3,641	3,932	4,030	495	573	676	754	789
Radios only	1,082	1,057	975	932	867	120	113	104	94	81
Car speakers (in pairs)	11,303	12,479	13,427	14,635	15,162	663	760	834	936	979
Personal electronics	79,414	77,953	110,640	105,985	(NA)	1,671	1,740	3,002	3,132	(NA)
Video game software	36,000	61,000	68,320	51,250	(NA)	972	1,525	1,700	765	(NA)
Calculators	28,260	29,030	30,895	31,400	33,186	832	902	925	946	512
Electronic typewriters	(NA)	(NA)	350	650	850	(NA)	(NA)	109	154	185
Radar detectors	518	608	710	942	1,227	88	104	110	137	187
Citizen band radios	1,522	1,498	1,592	1,637	1,729	126	122	125	126	135
Radios, specialty	8,980	8,498	8,107	8,279	8,166	(NA)	(NA)	(NA)	(NA)	(NA)
Watches	(NA)	(NA)	54,939	53,947	55,162	(NA)	(NA)	1,732	1,770	1,849
Telephone equipment:										
Telephones	3,165	5,521	15,058	22,930	22,403	289	472	1,168	894	983
Telephone answering devices	697	868	2,094	2,828	3,306	112	132	264	298	371
Cellular	(NA)	(NA)	(NA)	85	(NA)	(NA)	(NA)	182	(NA)	(NA)
Cordless	422	987	4,488	5,500	4,076	(NA)	168	610	598	380
Personal computers	750	1,950	4,500	5,000	4,025	(NA)	(NA)	(NA)	(NA)	(NA)
Blank floppy disks	(NA)	119,000	193,000	241,250	205,063	(NA)	(NA)	(NA)	(NA)	(NA)
Electronics furniture	4,144	4,628	5,188	5,920	6,280	487	557	668	830	930
Software:										
Blank audio, cassette	246,393	251,781	263,501	271,025	(NA)	629	639	654	647	
Blank video	28,711	38,423	61,690	98,353	156,088	410	552	725	925	1,192
Beta	9,361	12,207	15,870	25,392	27,897	128	159	175	224	210
VHS	17,350	26,216	45,820	72,981	128,191	282	393	550	700	823
Pre-recorded videotape	5,172	6,510	9,806	19,690	43,100	380	407	521	963	1,913
Beta	1,643	1,960	2,633	4,922	7,430	112	113	131	221	301
VHS	3,529	4,550	6,973	14,768	35,670	268	294	389	742	1,613
Videogame, earth-stations	36,000	61,000	68,320	450	630	972	1,525	1,700	1,310	1,386

NA Not available. ¹ Excludes duplication; therefore, sum of components will exceed total. ² 6.5 cu. ft. and over. ³ Includes others not shown separately. ⁴ UD=under dash, ID=in dash. ⁵ Excludes value of personal computers.

Source: Dealereoscope Merchandising, Philadelphia, PA, *Merchandising*, 64th Annual Statistical and Marketing Report.

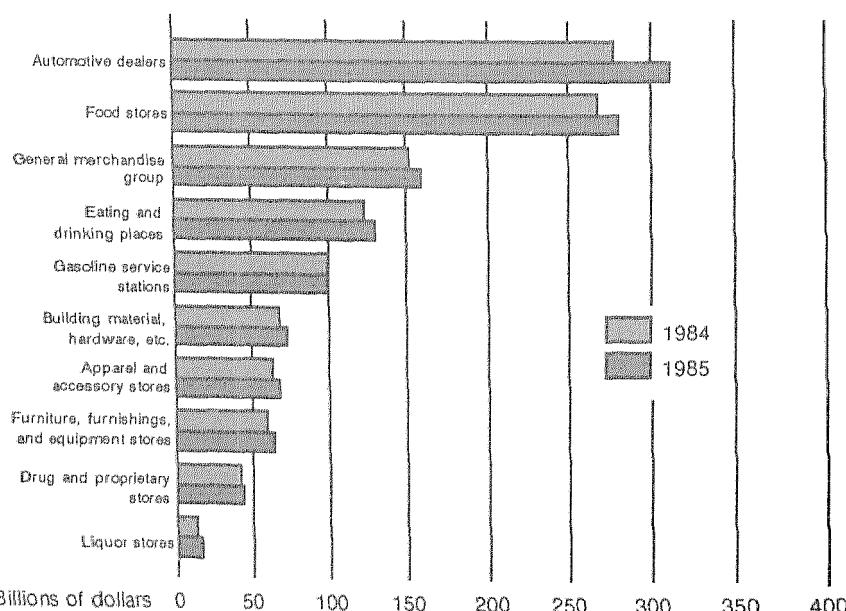
Figure 29.1

GNP¹ Originating in Domestic Trade and Services: 1970 to 1985¹ Gross national product

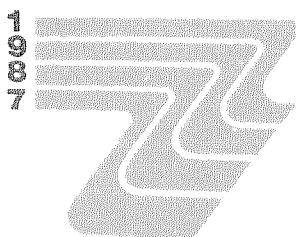
Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1357.

Figure 29.2

Retail Store Sales by Kind of Business: 1984 and 1985



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 1361.



Section 29

Domestic Trade and Services

This section presents statistics relating to the distributive trades and service industries. Data shown for the trades, classified by kind of business, and for the various categories of services (e.g., personal, business, repair, hotel) cover sales or receipts, establishments, employees, payrolls, and other items. Also included are data for franchised businesses.

The principal sources of these data are census reports and survey reports of the Bureau of the Census. Data on gross product in trade and service industries appear in the monthly *Survey of Current Business*, issued by the Bureau of Economic Analysis. Financial data for firms engaged in retail, wholesale, or service activities appear in the annual *Statistics of Income*, published by the Internal Revenue Service.

Censuses.—Censuses of retail trade, wholesale trade, and the service industries have been taken at various intervals since 1929. Beginning with the 1967 Census, legislation provides for a census to be conducted every 5 years (for years ending in "2" and "7").

The establishments covered in the censuses and surveys of business are those classified in 3 divisions defined in the *Standard Industrial Classification Manual, 1972* (see text, section 13). *Retail trade* refers to places of business primarily engaged in selling merchandise for personal or household consumption; *wholesale trade*, to establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business and farm uses; and *services*, to establishments primarily engaged in providing a wide range of services for individuals and for businesses.

Data from the 1958 Censuses of Retail Trade and Selected Services exclude nonemployer establishments which had annual receipts of less than \$2,500 and \$1,000, respectively. Beginning with the 1963 censuses, nonemployer establishments which did not operate the entire year were included if, during the period they operated, their receipts were at a rate which would have reached specified annual totals had they operated the entire year. The Census of Wholesale Trade excludes establishments with no paid employees. Beginning in 1977, sales taxes and finance charges are excluded in sales (or receipt) figures of the three censuses.

Prior to 1977, the Census of Selected Services excluded health services (except dental laboratories), educational services, social services, membership organizations, and others performing a professional or scientific service (except engineering, architectural, and surveying services). These were covered (except religious organizations and private households) in the 1977 census and the title changed to the Census of Service Industries. However, while most of these industries were again included in the 1982 census, some were not. In 1982, data were not collected for arrangement of passenger transportation, hospitals, elementary and secondary schools, colleges and universities, labor unions and similar organizations, and political organizations. Also in 1977, tax-exempt service industries were covered for the first time.

The Census of Retail Trade beginning in 1977, excludes nonemployer direct sellers. In 1982, the census treated each leased department in a store as a separate establishment and classified it according to the kind-of-business it conducted. In prior years, data for leased departments were consolidated with the data for stores in which they were located.

In the retail and service censuses prior to 1982, combined data for all establishments (nonemployer firms plus establishments of employer firms) were presented for selected kind-of-business classifications. In 1982 these data could not be published by kind-of-business because many nonemployer firms were miscoded by the Internal Revenue Service (IRS) into miscellaneous categories rather than specific kind-of-business. For retail trade and services, total establishment summary data are available but kind-of-business detail are available only on a national level from the Bureau.

Current surveys.—Current sample surveys conducted by the Bureau of the Census cover various aspects of the retail and wholesale trade and selected service industries. Its *Monthly Retail Trade Report* contains monthly estimates of sales, inventories, and sales of organizations operating 11 or more retail stores (see table 1362), for the United States, by kind of business. In addition,

monthly retail sales data for census regions and divisions, 19 large States, 23 large standard metropolitan statistical areas, and 5 large cities are included. Annual figures on sales, yearend inventories, and sales/inventory ratios, by kind of business, appear in the *Annual Retail Trade Report*.

Statistics from the Bureau's monthly wholesale trade survey include national estimates of merchant wholesalers' sales, inventories, and stock-sales ratios by major summary groups—durable and nondurable—and selected kinds of businesses. These data, based on reports submitted by a sample of firms, appear in the *Monthly Wholesale Trade Report*. Annual figures on sales, sales-inventory ratios, and yearend inventories appear in the *Annual Wholesale Trade Report*.

The *Service Annual Survey* provides annual estimates of receipts for selected service establishments for the United States as a whole.

For the current sample survey programs, retail trade coverage is the same as for the census; wholesale trade coverage is limited to merchant wholesalers; and selected services coverage is less inclusive than the census.

Estimates obtained from annual and monthly surveys are based on sample data and are not expected to agree exactly with results that would be obtained from a complete census of all establishments. Data include estimates for establishments not reporting.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Statistics for States and metropolitan statistical areas (MSAs).—Data for States and MSAs may also be found in *State and Metropolitan Area Data Book 1986*. For cross-references, See Appendix V.

No. 1357. GROSS NATIONAL PRODUCT BY INDUSTRY IN DOMESTIC TRADE AND SERVICE INDUSTRIES IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1985

[In billions of dollars, except percent. For definition of Gross National Product, see text, section 14. Based on 1972 Standard Industrial Classification]

INDUSTRY	CURRENT DOLLARS					CONSTANT (1982) DOLLARS				
	1970	1980	1983	1984	1985	1970	1980	1983	1984	1985
Gross national product.....	1,015.5	2,732.0	3,405.7	3,765.0	3,998.1	2,416.2	3,187.1	3,279.1	3,489.9	3,585.2
Wholesale and retail trade	168.7	438.9	542.9	610.4	652.5	367.6	500.4	529.0	578.2	604.3
Percent of gross national product.....	16.6	16.1	15.9	16.2	16.3	15.2	15.7	16.1	16.6	16.9
Wholesale trade.....	68.2	193.9	226.5	262.1	277.2	152.0	213.5	222.0	249.8	264.5
Retail trade.....	100.5	245.0	316.4	348.3	375.3	215.6	286.9	307.0	328.6	339.8
Services.....	120.2	374.0	515.5	581.6	639.4	295.7	442.6	486.6	519.6	538.5
Percent of gross national product.....	11.8	13.7	15.1	15.4	16.0	12.2	13.9	14.8	14.9	15.0
Hotels and other lodging places.....	6.3	18.9	24.3	27.4	30.3	17.1	22.6	22.5	22.8	22.9
Personal services.....	9.3	18.8	23.1	24.8	26.6	22.9	22.2	21.8	22.3	22.8
Business services.....	18.0	68.8	104.8	125.7	143.2	47.5	84.0	100.0	113.6	119.9
Auto repair, services, and garages.....	6.3	21.1	26.1	29.9	32.7	14.8	24.4	25.2	28.0	28.7
Miscellaneous repair services....	2.7	9.2	10.8	12.5	13.4	5.9	8.8	9.7	10.2	10.3
Motion pictures.....	2.3	5.0	6.6	7.5	8.1	4.8	5.7	6.2	6.5	6.7
Amusement and recreation services.....	4.8	12.4	16.6	18.4	19.6	9.2	13.7	16.1	17.0	17.4
Health services.....	31.4	108.1	156.1	168.8	182.8	77.8	129.4	146.7	152.2	155.8
Legal services.....	7.3	23.3	35.0	41.7	47.5	23.2	28.9	31.6	33.0	34.7
Educational services.....	7.1	16.0	21.0	22.6	24.7	14.6	18.1	19.8	20.2	20.7
Social services and membership organizations.....	10.0	26.3	32.8	35.7	38.2	22.1	30.2	31.1	32.5	33.1
Miscellaneous professional services.....	10.3	39.6	49.9	57.3	62.9	24.4	47.1	47.7	52.4	55.5
Private households.....	4.5	6.6	8.2	8.1	9.3	11.3	7.4	8.1	9.0	9.1

Sources: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 1358. PERSONS EMPLOYED IN DOMESTIC TRADE AND SERVICE INDUSTRIES: 1970 TO 1985

[In thousands. Data represent worker-years of full-time equivalent employment by persons working for wages or salaries and by active partners and proprietors of unincorporated businesses. Based on 1972 Standard Industrial Classification]

INDUSTRY	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Wholesale and retail	15,423	17,442	20,082	20,703	20,754	21,024	20,936	21,365	22,681	23,576
Wholesale trade	4,061	4,465	5,053	5,288	5,335	5,454	5,372	5,344	5,639	5,793
Retail trade	11,362	12,977	15,009	15,415	15,419	15,570	15,564	16,021	17,042	17,783
Services	13,787	16,209	18,548	19,291	19,859	20,532	20,972	21,711	22,899	23,862
Hotels and other lodging places	797	949	1,062	1,106	1,137	1,175	1,191	1,226	1,335	1,411
Personal services	1,012	898	960	975	973	988	1,007	1,037	1,094	1,142
Business services	1,711	2,077	2,679	2,948	3,135	3,302	3,353	3,804	4,151	4,512
Auto repair, services, garages	393	476	604	635	622	627	643	673	744	797
Misc. repair services	192	231	279	302	308	314	303	301	322	339
Motion pictures	202	206	215	224	224	224	216	220	221	226
Amusement, recreational services	472	619	731	761	791	807	831	843	856	863
Health services	2,798	4,191	4,881	5,113	5,998	5,683	5,927	6,104	6,250	6,490
Legal services	250	381	474	511	551	591	628	672	718	768
Educational services	1,034	1,182	1,221	1,265	1,310	1,348	1,375	1,428	1,467	1,504
Social services and membership organizations	2,009	2,327	2,574	2,640	2,704	2,707	2,701	2,731	2,782	2,861
Misc. professional services	617	797	988	1,058	1,108	1,159	1,162	1,198	1,283	1,356
Private households	2,280	1,875	1,899	1,753	1,598	1,606	1,635	1,676	1,664	1,653

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 1359. RETAIL TRADE—SUMMARY: 1954 TO 1982

[Prior to 1958 and as noted, excludes Alaska and Hawaii. 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47 and T 79-91.]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	1,532	1,577	1,665	1,567	1,573
Multifunit establishments ¹	1,000	167	² 183	220	220	301	343	415
Establishments, total	1,000	1,722	1,795	1,708	1,783	1,780	1,855	1,923
With payroll	1,000	1,124	1,185	1,205	1,192	1,265	1,304	1,330
With sales of \$1,000,000 or more	1,000	(NA)	(NA)	(NA)	(NA)	74	119	193
Consumer Price Index: ³								
All items	1967 = 100	80.2	86.6	91.7	100.0	125.3	181.5	289.1
All commodities	1967 = 100	65.9	80.6	93.6	100.0	120.9	174.7	263.8
Sales	Bil. dol.	170.0	200.4	244.2	310.2	457.4	723.1	1,065.9
By establishments with payroll	Bil. dol.	157.9	187.8	233.1	295.2	440.2	699.6	1,039.0
By multifunit establishments ¹	Bil. dol.	51.2	² 67.2	89.5	123.5	201.8	340.7	666.7
Percent of total sales	Percent	30.1	33.5	36.6	39.8	44.0	47.1	53.2
Percent of multilunit sales by 100-or-more establishment multifunits ^{1,4}	Percent	41.8	42.4	43.1	46.7	55.8	55.8	54.5
In 1982 dollars ⁵	Bil. dol.	(NA)	(NA)	645.0	769.9	943.3	1,054.2	1,065.9
Percent of sales by corporations	Percent	48.4	53.0	61.9	67.4	76.4	79.8	84.6
Per capita sales: ⁶								
Current dollars	Dollars	1,055	1,156	1,296	1,571	2,188	3,291	4,599
Constant (1982) dollars ⁶	Dollars	(NA)	(NA)	3,423	3,869	4,508	4,788	4,599
Sales as percent of personal income	Percent	58.6	² 55.5	52.4	49.3	48.1	46.9	41.5
Sales, Inside SMSAs ⁷	Bil. dol.	(NA)	139.0	168.9	221.4	(NA)	551.8	845.0
Percent of total sales	Percent	(NA)	66.4	69.5	71.4	(NA)	76.3	79.3
Payroll, entire year	Bil. dol.	16.2	21.7	27.6	36.2	55.4	85.9	123.6
Percent of sales	Percent	11.5	² 11.5	11.3	11.7	12.1	11.9	11.6
Paid employees, March 12 workweek ⁸	1,000	7,124	7,942	8,410	9,361	11,211	13,040	14,468

NA Not available. ¹ Establishments operated by firms which operate at two or more locations. Beginning 1982, includes single units operated by multifunit establishments. 1972 and 1977 data revised since originally published. ² Excludes Alaska and Hawaii. ³ Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*. For 1982, CPI-U, see text, section 14. ⁴ For 1982, data provided for percent of multilunit sales by 100-or-more establishment units. ⁵ Source: U.S. Bureau of Economic Analysis. ⁶ Based on estimated resident population as of July 1. ⁷ For definition of SMSA, see Appendix II. ⁸ 1954-1983 data for week including November 15.

Source: Except as noted, U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. I; *1958*, vol. I; *1963*, vol. I; *1967*, vol. I; and *Census of Retail Trade, 1972*, RC 72-S-1, 1977, RC 77-52 and *1982*, RC 82-A-52 and RC 82-I-1.

Domestic Trade and Services

NO. 1360. RETAIL TRADE SALES—SUMMARY: 1967 TO 1985

[Data reflect use of a sample based on definition and classifications according to the 1977 Census of Retail Trade and are adjusted for methodological revision effective in August 1977. Based on Current Business Survey, see Appendix III. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series T 197, 245, 246, and 255.]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS ^a		
	Total sales (bil. dol.)	Annual per- cent change	Per cap- ita ^b (dol.)	Index of sales (1972= 100)	Dura- ble goods (bil. dol.)	Nondurable goods (bil. dol.)		Total sales (bil. dol.)	Annual per- cent change
						Total	Dept. stores		
1967.....	293.0	(4)	1,484	65.2	88.7	204.2	32.4	721.5	(3)
1968.....	324.4	10.7	1,627	72.2	101.7	222.7	36.0	768.9	6.6
1969.....	346.7	6.9	1,722	77.2	108.6	238.1	38.6 ^c	788.9	2.6
1970.....	368.4	6.3	1,806	82.0	109.2	259.2	40.2	807.9	2.4
1971.....	406.2	10.3	1,964	90.5	128.8	277.4	45.0	857.9	6.2
1972.....	449.1	10.5	2,146	100.0	148.4	300.8	49.4	926.2	8.0
1973.....	509.5	13.5	2,411	116.5	172.9	336.6	55.0	986.1	6.5
1974.....	541.0	6.2	2,536	120.5	169.4	371.6	58.1	935.7	-5.1
1975.....	588.1	8.7	2,729	131.0	183.0	405.2	62.1	944.0	.9
1976.....	657.4	11.8	3,021	146.4	217.8	439.6	68.6	1,008.7	6.9
1977.....	725.2	10.3	3,299	161.5	248.6	476.6	76.9	1,057.2	4.8
1978.....	806.8	11.2	3,633	179.7	280.4	526.4	84.4	1,096.6	4.0
1979.....	889.1	11.4	4,003	200.2	306.4	692.8	89.2	1,115.6	1.5
1980.....	959.6	6.7	4,222	213.7	299.0	660.6	93.2	1,075.9	-3.6
1981.....	1,041.3	8.5	4,535	231.9	325.1	716.3	103.5	1,080.2	-4
1982.....	1,072.1	3.0	4,621	238.7	336.7	735.4	107.2	1,072.1	-7
1983.....	1,174.3	9.5	5,012	261.5	396.5	777.8	116.6	1,149.6	7.2
1984.....	1,293.1	10.1	5,468	287.9	465.8	827.3	129.1	1,233.3	5.2
1985.....	1,373.9	6.3	5,755	305.9	514.2	859.7	134.7	1,284.3	4.1

^a Based on Bureau of the Census estimates of resident population as of July 1. ^b Source: Bureau of Economic Analysis. Based on seasonally adjusted monthly totals. ^c 1966 data not comparable with 1967. ^d Data unadjusted for seasonal variation and trading day differences.

Source: Except as noted, U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*. Monthly data in U.S. Bureau of Economic Analysis, *Survey of Current Business and Business Conditions Digest*, both monthly.

NO. 1361. RETAIL TRADE—SALES, BY KIND OF BUSINESS: 1970 TO 1985

[In billions of dollars. Based on 1972 Standard Industrial Classification. Data reflect methodological revision effective Aug. 1977. Based on Current Business Survey, see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 245-271]

SIC ¹ code	KIND OF BUSINESS	1970	1975	1979	1980	1981	1982	1983	1984	1985
	Retail trade, total.....	368.4	588.1	899.1	959.6	1,041.3	1,072.1	1,174.3	1,293.1	1,373.9
	Durable goods stores, total ²	109.2	183.0	306.4	299.0	325.1	336.7	396.5	465.8	514.2
55 exc. 554	Automotive dealers.....	62.6	106.6	178.6	164.4	182.4	193.2	232.8	278.5	312.8
551,2,5,6,7,9	Motor vehicle, misc. automotive dealers.....	56.9	96.8	162.4	146.2	162.4	172.4	209.9	254.7	288.4
551	Motor vehicle dealers.....	55.0	89.0	152.0	137.7	153.1	163.0	200.1	241.5	271.0
553	Auto and home supply stores.....	51.8	84.2	142.9	130.5	144.6	154.8	188.8	230.9	260.2
52	Building materials, hardware, garden supply, mobile home dealers ²	17.6	27.0	50.9	50.7	52.1	50.9	59.7	69.5	74.1
521,3	Building materials, supply stores.....	11.2	18.0	36.3	35.0	35.7	35.2	42.4	50.0	53.8
525	Hardware stores.....	3.2	5.1	7.9	8.3	8.4	8.7	9.0	10.2	11.1
57	Furniture, home furnishings, equipment ²	17.7	26.9	42.3	44.1	46.7	46.5	54.7	61.8	68.1
571	Furniture, home furnishings stores.....	10.6	16.2	25.6	26.3	27.4	27.0	31.0	35.0	36.9
5722,32	Household appliance, radio, TV.....	6.0	8.3	12.7	13.9	15.3	15.7	19.7	22.6	26.2
	Nondurable goods stores, total ²	259.2	405.2	592.8	660.6	716.3	735.4	777.8	827.3	889.7
56	Apparel and accessory stores ²	20.2	31.3	44.6	48.1	53.0	55.3	60.3	66.1	69.7
551	Men's, boys' clothing, furnishings.....	4.4	6.4	7.7	7.6	7.8	7.7	8.0	8.3	8.3
562,3,8	Women's clothing, specialty stores, furriers.....	7.7	12.4	17.5	18.5	20.4	22.0	24.5	27.1	29.1
562	Women's ready-to-wear stores.....	6.7	11.3	16.1	16.9	18.7	20.3	22.6	24.5	25.9
565	Family clothing stores.....	3.8	6.6	9.5	11.0	12.4	13.8	15.4	16.6	18.3
566	Shoe stores.....	3.6	4.6	7.8	8.4	9.5	9.1	9.8	10.3	10.9
591	Drug and proprietary stores.....	13.8	19.9	28.2	30.7	33.7	36.2	40.1	43.2	46.0
56	Eating and drinking places.....	31.1	51.2	82.0	89.9	98.0	104.4	114.7	124.5	131.0
5812	Eating places.....	(NA)	44.2	73.2	80.3	88.1	94.9	114.6	121.2	121.2
54	Food stores.....	88.7	138.4	197.3	219.5	235.4	245.3	254.9	270.4	282.2
541	Grocery stores.....	81.5	129.2	164.9	205.1	220.1	230.1	239.1	254.2	266.1
554	Gasoline service stations.....	29.2	47.5	73.3	93.8	102.8	97.1	98.9	99.5	100.8
53	General merchandise group stores.....	52.0	78.4	109.3	113.9	125.4	128.7	139.4	152.9	159.5
531	Department stores.....	40.2	62.1	89.2	93.2	103.5	107.2	116.6	129.1	134.7
533	Variety stores.....	6.6	8.0	7.9	7.9	8.3	8.3	8.6	9.1	8.9
539	Misc. gen. merchandise group stores ³	(NA)	12.2	12.2	12.8	13.5	13.2	14.2	14.8	15.8
592	Liquor stores.....	8.3	11.8	15.1	16.8	17.6	18.1	19.0	18.2	17.8
596	Non-store retailers.....	(NA)	20.4	22.8	23.5	23.8	24.7	26.4	27.0	
5961 pt.	Mail-order houses (department store mer- chandise).....	(NA)	(NA)	4.2	4.4	4.4	4.4	4.4	4.9	4.6

NA Not available. ¹ Standard Industrial Classification Code; see text, section 13.

² Includes kinds of business, not shown separately. ³ Includes catalog showroom stores.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Monthly Retail Trade*.

**NO. 1362. RETAIL TRADE—SALES OF MULTIUNIT ORGANIZATIONS BY KIND OF BUSINESS:
1980 TO 1985**

[In billions of dollars. Data based on sales of companies which had 11 or more retail establishments according to the most recent update of multistore files selected with certainty (i.e., their sales size exceeded specified dollar volume cutoffs which varied by kind of business). For details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 197-219.]

SIC ¹ code	KIND OF BUSINESS	SALES				PERCENT OF TOTAL RETAIL SALES			
		1980	1983	1984	1985	1980	1983	1984	1985
	Total sales	338.4	415.5	450.6	472.2	35.3	35.4	34.8	34.4
553	Durable goods stores.....	24.7	32.8	37.7	40.0	8.3	8.3	8.1	7.8
	Auto and home supply stores.....	3.7	4.4	4.7	4.9	20.4	19.3	19.7	20.1
56	Non durable goods stores ²	313.6	382.8	412.9	432.2	47.5	49.2	49.9	50.3
562,3,8	Apparel and accessory stores ^a	17.0	22.2	25.4	26.1	35.3	36.9	38.9	40.4
	Women's ready-to-wear, accessory and fur.....	7.4	9.5	11.1	12.4	40.1	40.0	40.9	42.6
566	Shoe stores	3.5	4.8	5.1	5.4	41.0	48.6	49.3	49.8
591	Drug and proprietary stores	16.2	21.6	24.4	26.0	52.8	53.9	56.5	56.5
54	Food stores	115.1	141.3	149.0	156.1	52.5	55.4	55.1	55.3
541	Grocery stores	113.7	139.4	147.0	154.1	55.4	58.3	57.8	57.8
53	General merchandise group.....	105.2	129.0	142.3	148.4	92.4	92.5	93.1	93.0
531	Department stores.....	90.7	115.6	123.7	129.2	97.3	95.7	95.8	95.9
533	Variety stores	6.6	7.3	7.6	7.6	83.3	84.7	83.9	84.9
539	Misc. general merchandise group stores	7.9	10.1	11.1	11.7	62.1	71.3	74.9	73.8
5812	Eating places.....	18.4	24.4	27.0	28.4	23.0	23.2	23.6	23.4

¹ Standard Industrial Classification; see text, section 13. ² Includes kinds of business not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual* and *Monthly Retail Trade Reports*.

NO. 1363. RETAIL TRADE—MERCHANTISE INVENTORIES AND SALES-INVENTORY RATIOS BY KIND OF BUSINESS: 1980 TO 1985

[As of Dec. 31. Includes warehouses. Based on Current Business Survey, see Appendix III]

SIC ¹ code	KIND OF BUSINESS	INVENTORIES AT COST ² (bil. dol.)				SALES-INVENTORY RATIOS ³			
		1980	1983	1984	1985	1980	1983	1984	1985
	Total	113.4	135.3	153.0	160.4	8.5	8.7	8.4	8.6
	Total (excluding automotive dealers)	87.9	103.7	115.6	118.0	9.0	9.1	8.8	9.0
55 exc. 554	Durable goods stores ⁴	54.5	66.1	76.3	82.0	5.5	6.0	6.1	6.3
551,2,5,6,7,9	Automotive dealers.....	25.4	31.6	37.5	42.4	6.5	7.4	7.4	7.4
551,2	Motor vehicle and misc. automotive dealers.....	21.9	27.5	33.4	(NA)	6.7	7.8	7.6	(NA)
551	Motor vehicle dealers.....	19.6	24.8	30.0	(NA)	7.0	8.1	8.0	(NA)
553	Motor vehicle dealers (franchised)	18.8	23.6	28.6	(NA)	6.9	8.1	8.1	(NA)
52	Automotive and home supply stores.....	3.4	4.1	4.1	(NA)	5.2	5.6	5.8	(NA)
521,3,5	Building materials, hardware, garden supplies, mobile home dealers.....	9.2	11.0	12.4	13.2	5.5	5.4	5.6	5.6
521,3	Building materials, supply, hardware stores.....	7.8	9.1	10.3	(NA)	5.5	5.7	5.8	(NA)
525	Building materials and supply stores.....	5.7	6.8	7.6	(NA)	6.2	6.3	6.5	(NA)
57	Hardware stores	2.1	2.3	2.7	(NA)	3.9	3.9	3.8	(NA)
571	Furniture, home furnishings, equipment stores ⁴	9.0	10.8	12.0	12.7	4.9	5.0	5.2	5.3
5712	Furniture, home furnishings	5.2	6.0	6.5	(NA)	5.1	5.2	5.4	(NA)
5722,32	Furniture stores	3.8	4.2	4.5	(NA)	4.6	4.7	5.0	(NA)
5722	Household appliance, radio, TV	2.8	3.8	4.3	(NA)	5.0	5.2	5.2	(NA)
5944	Household appliance stores	1.0	1.1	1.2	(NA)	5.7	6.2	6.3	(NA)
	Jewelry stores	3.2	3.6	4.0	(NA)	2.5	2.5	2.6	(NA)
56	Nondurable goods stores ⁴	58.9	69.2	76.8	78.4	11.2	11.2	10.8	11.0
562,3,8	Apparel and accessory stores ^a	9.8	12.4	13.7	14.4	4.9	4.9	4.8	4.8
561	Men's, boys' clothing, furnishings.....	1.9	1.8	2.0	(NA)	4.0	4.3	4.2	(NA)
565	Women's ready-to-wear, accessory and fur stores.....	2.9	4.3	4.8	(NA)	6.3	5.7	5.6	(NA)
566	Family clothing stores	2.2	3.2	3.6	(NA)	4.9	4.8	4.6	(NA)
591	Shoe stores	2.2	2.5	2.6	(NA)	3.9	4.0	4.0	(NA)
58	Drug and proprietary stores	5.2	6.6	7.1	7.9	5.9	6.1	5.8	5.8
54	Eating and drinking places	2.0	2.3	2.4	(NA)	44.3	50.3	52.5	(NA)
54	Food stores	12.6	14.6	15.5	16.3	17.5	17.4	17.5	17.3
541	Grocery stores	12.0	14.0	14.8	15.7	17.1	17.1	17.2	17.0
554	Gasoline service stations	2.8	2.6	2.5	2.4	33.0	38.2	39.8	41.7
53	General merchandise group stores	19.5	23.5	28.1	28.0	5.8	5.9	5.4	5.7
531,9	Dept. stores, misc. general merchandise stores	17.6	21.6	25.8	(NA)	6.0	6.1	5.6	(NA)
531	Department stores	14.7	18.3	22.3	22.1	6.3	6.4	5.8	6.1
533	Variety stores	1.9	1.9	2.3	(NA)	4.2	4.5	4.0	(NA)
592	Liquor stores	2.0	2.1	1.9	(NA)	8.4	9.0	9.6	(NA)

NA Not Available. ¹ Standard Industrial Classification; see text, section 13. ² Excludes supplies and equipment used in store and warehouse operations that are not for resale. Not adjusted for seasonal variation. ³ Relates annual sales to yearend inventories. ⁴ Includes kinds of businesses not shown separately.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BR, *Annual* and *Monthly Retail Trade Reports*.

Domestic Trade and Services

NO. 1364. COMMERCIAL AND INSTITUTIONAL GROUPS—ESTIMATED FOOD AND DRINK SALES AND PURCHASES: 1977 TO 1984

[Excludes military. Data refer to sales to consumers and purchases by establishments of food and alcoholic beverages. Due to methodological and conceptual differences, data in this table may not agree with table 1365. For details, see source.]

TYPE OF GROUP	Num- ber, 1984	SALES (mil. dol.)				PURCHASES (mil. dol.)			
		1977	1982	1983	1984	1977	1982	1983	1984
Total ¹	591,795	86,262	139,723	151,355	164,126	38,379	55,927	59,433	64,622
Commercial feeding ²	424,408	73,140	119,992	131,266	143,265	25,622	40,229	43,363	47,709
Eating places ²	260,099	50,820	86,652	95,267	104,521	19,222	30,758	33,150	36,565
Restaurants, lunchrooms.....	124,889	28,045	46,443	50,530	55,112	11,006	16,842	17,895	19,622
Limited menu restaurants.....	117,604	19,358	35,357	39,494	43,719	6,962	12,195	13,428	14,950
Bars and taverns ³	32,308	6,444	7,912	8,157	8,256	394	415	418	418
Food contractors ²	9,029	4,989	7,708	8,242	8,907	2,132	3,132	3,318	3,585
Manufacturing and industrial plants.....	(NA)	1,610	2,258	2,394	2,616	750	1,028	1,077	1,177
Colleges and universities.....	(NA)	823	1,407	1,494	1,612	291	451	479	516
Lodging places ²	25,785	5,030	8,286	9,165	10,026	1,722	2,668	2,949	3,212
Hotel restaurants.....	14,988	3,268	6,412	7,302	8,110	1,098	2,068	2,340	2,587
Motel restaurants.....	9,131	1,133	1,196	1,159	1,190	412	400	383	392
Retail hosts ²	87,384	2,495	4,108	4,690	5,394	952	1,459	1,637	1,890
Grocery store restaurants.....	39,498	468	1,257	1,554	1,955	173	435	533	674
Dept. store restaurants.....	4,832	759	943	1,006	1,060	304	354	367	389
Drug store restaurants.....	10,468	316	397	416	429	120	146	150	155
Variety store restaurants.....	3,651	348	256	248	236	136	94	89	86
Gasoline service stations.....	14,593	297	712	860	1,048	110	246	285	361
Recreation and sports ²	6,718	1,094	1,659	1,822	1,906	418	584	629	662
Bowling lanes.....	3,933	454	646	677	702	170	236	242	253
Recreation and sports centers.....	(NA)	512	797	912	959	189	280	315	333
Institutional feeding ²	167,387	13,122	19,731	20,089	20,861	8,898	12,074	12,295	12,837
Employee feeding.....	8,339	1,245	1,733	1,767	1,904	631	858	857	927
Industrial and commercial organizations.....	3,683	1,053	1,458	1,505	1,630	515	693	700	763
Educational feeding.....	93,453	3,502	5,248	5,509	5,749	3,444	4,058	4,164	4,339
Elementary and secondary schools.....	90,812	1,793	2,464	2,577	2,780	2,468	2,814	2,854	3,010
Transportation.....	154	422	670	760	838	218	344	387	425
Airlines.....	95	316	504	572	625	157	251	285	311
Hospitals.....	6,817	5,012	7,641	7,375	7,391	2,275	3,439	3,328	3,332
Miscellaneous ²	28,326	1,153	1,735	1,885	1,991	880	1,119	1,200	1,267
Clubs.....	10,310	801	1,275	1,391	1,466	285	533	582	614
Community centers.....	15,210	258	344	374	401	304	406	442	473

NA. Not available. ¹ Total purchases include food furnished to food service employees. ² Includes other types of groups, not shown separately. ³ Data for establishments with payroll.

Fast-food restaurants.

⁴ For establishments serving food. ⁵ For establishments serving food, industry, annual. (Copyright.)

No. 1365. FOODSERVICE INDUSTRY—ESTABLISHMENTS AND SALES OF MEALS AND SNACKS:
1977 TO 1985

[Sales data are actual retail sales or estimated retail value, excluding alcoholic beverages. See source for methodological details]

MARKET SEGMENT	ESTABLISHMENTS		SALES OF MEALS AND SNACKS ¹ (mil. dol.)							
	1977	1985 ²	1977	1978	1980	1981	1982	1983	1984	1985 ³
Total.....	624,507	710,942	81,776	103,968	113,878	124,040	133,264	145,733	158,485	167,843
Commercial feeding.....	401,502	409,869	56,624	73,067	79,814	87,154	94,985	105,634	116,095	123,500
Separate eating places ³	229,892	255,669	47,426	61,653	67,557	73,787	80,987	90,356	99,582	106,743
Restaurants, lunchrooms.....	118,896	125,502	24,720	33,534	35,615	38,805	40,931	44,731	48,419	52,296
Fast food outlets.....	100,493	124,809	20,334	25,112	28,708	31,523	36,492	41,898	47,319	51,455
Cafeterias.....	7,001	5,388	1,813	2,343	2,426	2,575	2,699	2,871	3,024	2,992
Lodging places.....	25,931	22,613	3,613	4,937	5,258	5,939	6,164	6,756	7,264	7,355
Retail hosts.....	60,652	56,005	2,691	3,222	3,935	4,325	4,943	4,318	4,779	4,810
Recreation, entertainment.....	33,819	34,910	1,915	2,110	2,362	2,471	2,813	3,093	3,394	3,510
Separate drinking places.....	51,408	40,642	979	1,045	1,100	1,121	1,098	1,111	1,076	982
Noncommercial feeding.....	223,005	301,073	25,152	30,801	34,064	36,886	38,279	40,098	42,390	44,343
Education.....	97,325	84,886	8,242	9,925	10,833	11,376	11,030	11,624	12,239	12,942
Elementary, secondary.....	91,900	88,511	5,886	7,313	7,875	8,099	7,368	7,537	7,930	8,472
Colleges, universities.....	3,095	3,289	2,256	2,494	2,824	3,126	3,487	3,886	4,092	4,230
Other education.....	2,930	3,076	100	118	134	152	175	201	217	240
Plants, office buildings.....	15,187	15,963	3,576	4,658	5,145	5,689	5,919	6,258	6,793	7,186
Hospitals.....	7,098	6,835	3,711	4,403	4,919	5,366	5,609	5,715	5,817	5,905
Care facilities.....	21,117	29,711	2,388	3,198	3,602	4,072	4,797	4,983	5,281	5,452
Vending.....	3,737	3,535	2,508	2,853	3,094	3,183	3,214	3,348	3,553	3,730
Military services.....	3,971	3,270	1,595	1,821	1,834	2,109	2,166	2,255	2,366	2,470
Troop feeding.....	1,435	1,290	1,245	1,421	1,496	1,619	1,644	1,709	1,765	1,853
Clubs, exchanges.....	2,536	1,980	350	400	438	400	522	546	601	617
Transportation.....	799	640	1,073	1,426	1,563	1,656	1,685	1,793	1,922	1,998
Associations.....	18,966	19,450	958	1,058	1,153	1,276	1,431	1,501	1,582	1,610
Correctional facilities.....	6,907	7,204	492	626	705	768	1,018	1,092	1,185	1,205
Child day care centers.....	18,987	88,410	249	387	489	641	607	663	760	835
Elderly feeding programs.....	11,173	14,068	202	388	458	544	579	629	689	744
Other.....	17,757	17,101	151	178	192	208	223	238	252	268

¹ Estimated retail sales; excludes tips and taxes. ² Preliminary. ³ Includes other industry segments not shown separately.

Source: U.S. Department of Agriculture, Economic Research Service, *Definition of the Foodservice Industry and Methodology for Estimating Selected Statistics*, and unpublished data.

NO. 1366. LARGEST RETAILING COMPANIES—SALES, ASSETS, NET INCOME, AND EMPLOYEES, BY SALES GROUP: 1980 TO 1985

[Sales, assets, and net income in billions of dollars; employees in thousands; except percent. Excludes large privately owned companies that do not publish sales. Includes all operating revenues for fiscal years ending not later than January following year stated]

RANK BY SALES GROUP	SALES ¹			ASSETS ²			NET INCOME ³			EMPLOYEES ⁴		
	1980	1984	1985	1980	1984	1985	1980	1984	1985	1980	1984	1985
50 largest.....	200.8	297.3	319.3	96.3	169.7	195.0	3.9	8.2	7.6	3,240	3,624	3,887
Top 10.....	109.3	160.3	168.4	58.0	106.7	114.8	1.9	3.7	3.4	1,614	1,733	1,821
11th-20th.....	40.6	59.9	63.4	16.4	25.0	34.0	.5	1.7	1.3	591	755	720
21st-30th.....	23.8	37.0	41.8	12.3	19.1	25.5	.7	1.2	1.5	569	636	764
31st-40th.....	15.7	25.0	26.7	7.3	11.7	12.5	.5	1.1	.6	324	329	317
41st-50th.....	11.5	16.1	19.1	4.3	7.1	8.2	.3	.5	.8	143	171	245
Percent of total:												
Top 10.....	54.4	53.9	52.7	58.2	62.9	58.9	48.7	45.8	44.3	49.8	47.8	46.8
11th-20th.....	20.2	19.8	19.9	17.0	14.8	17.4	12.3	20.8	17.0	18.2	20.8	18.5
21st-30th.....	11.8	12.4	13.1	12.7	11.3	13.1	15.5	14.3	20.2	17.6	17.6	20.2
31st-40th.....	7.8	8.4	8.4	7.6	6.9	6.4	13.8	13.3	8.3	10.0	9.1	8.1
41st-50th.....	5.7	5.4	6.0	4.5	4.2	4.2	6.8	5.8	10.2	4.4	4.7	6.3

¹ Includes sales of subsidiaries when they are consolidated. ² Total assets employed in business at end of fiscal year.

³ After taxes, special charges, and credits. ⁴ As of year end, or yearly average.

Source: Time, Inc., New York, NY, adapted from *The Fortune Directories*. (Copyright.)

NO. 1367. RETAIL TRADE—SALES BY BROAD MERCHANDISE LINES: 1977 AND 1982

[For establishments with payroll. For details on restructuring merchandise lines between 1977 and 1982, see source]

MERCHANDISE LINE	1977			1982		
	Establishments (1,000)	Sales (mil. dol.)	Percent of sales	Establishments (1,000)	Sales of specified merchandise lines	
					Total (mil. dol.)	As percent of total sales
Retail trade, total.....	1,304	699,635	100.0	1,330	1,039,029	(X) 100.0
Groceries and other foods.....	271	137,506	19.7	267	198,705	51.8 19.1
Meals and snacks.....	341	54,735	7.8	391	92,677	40.9 8.9
Alcoholic drinks.....	138	9,998	1.4	140	14,965	33.1 1.4
Packaged alcoholic beverages.....	136	16,164	2.3	157	25,633	13.5 2.5
Cigars, cigarettes, and tobacco.....	231	8,475	1.2	241	14,664	4.9 1.4
Drugs.....	110	12,438	1.8			
Health and beauty aids.....	166	11,325	1.6	187	42,337	12.4 4.1
Men's and boys' wear, except footwear.....	106	22,740	3.3	104	29,461	17.7 2.8
Women's and girls' wear, except footwear.....	139	36,527	5.2	146	57,553	30.6 5.5
Footwear, except infants' and toddlers'.....	98	10,650	1.5	112	17,017	12.3 1.6
Sewing, knitting, and needlework goods.....	82	10,011	1.4	45	4,132	3.9 .4
Curtains, draperies, and dry goods.....				65	8,926	6.4 .9
Major household appliances.....	72	9,179	1.3	61	11,337	10.1 1.1
Small electric appliances.....	82	2,849	.4	70	4,381	2.7 .4
TV's and video recorders and tapes.....	55	4,128	.6	59	6,841	6.1 .7
Audio equipment and musical instruments and supplies.....	89	9,191	1.3	74	11,279	8.2 1.1
Furniture and sleep equipment.....	72	14,665	2.1	68	19,085	14.4 1.8
Floor coverings.....	68	5,770	.8	57	5,908	6.2 .7
Kitchenware and home furnishings.....	137	9,881	1.4	150	15,642	6.3 1.5
Jewelry.....	111	5,151	1.2	95	12,133	8.1 1.2
Optical goods.....	21	1,361	.2	21	1,851	4.3 .2
Sporting goods.....	80	9,451	1.4	70	13,038	11.4 1.3
Recreational vehicles.....	13	3,234	.5	6	2,957	20.8 .3
Hardware, tools, and plumbing and electrical supplies.....	94	8,655	1.2	103	13,978	8.2 1.3
Lawn and garden equipment and supplies.....	99	7,217	1.0	95	11,189	7.5 1.1
Lumber and building materials.....	80	26,766	3.8	74	32,179	26.1 3.1
Mobile homes.....	(*)	(*)	(*)	5	3,795	90.8 .4
Cars, trucks, and powered vehicles.....	56	112,285	16.0	49	139,687	83.9 13.4
Automotive fuels.....				156	89,288	63.9 8.6
Automotive lubricants.....	211	48,735	7.0	157	2,850	1.1 .3
Automobile tires, batteries, and accessories.....	195	21,196	3.0	166	31,050	10.3 3.0
Household fuels.....	23	8,923	1.3	21	14,781	65.5 1.4
All other merchandise.....	290	36,683	5.2	269	52,892	14.8 5.1
Unclassified merchandise.....	(X)	(X)	(X)	147	5,451	3.5 .5
Nonmerchandise receipts.....	262	20,824	3.0	249	30,355	8.8 2.9

X Not applicable. ¹ Detail will not add to total because establishments may carry more than one merchandise line.

² Included in "all other merchandise".

Source: U.S. Bureau of the Census, *Census of Retail Trade, 1977*, and *1982, Merchandise Line Sales*, RC77-L and RC82-I-3.

Domestic Trade and Services

No. 1368. RETAIL SALES—BY TYPE OF

[In millions of dollars]

DIVISION AND STATE	TOTAL ¹		FOOD STORES				GENERAL MERCHANDISE STORES				AUTOMOTIVE DEALERS	
	1982	1985	Total		Supermarkets		Total		Department stores		1982	1985
			1982	1985	1982	1985	1982	1985	1982	1985		
U.S.	1,065,918	1,395,240	246,450	288,855	231,000	271,074	120,528	163,840	98,185	135,906	193,896	304,006
N.E.	62,093	88,113	13,629	18,063	12,465	16,561	6,174	9,429	5,179	7,972	10,359	17,580
ME.	5,332	7,169	1,311	1,684	1,247	1,806	465	653	341	486	933	1,494
NH.	5,354	7,635	1,278	1,694	1,209	1,607	527	834	415	661	962	1,613
VT.	2,601	3,619	612	804	585	770	173	282	120	185	473	788
MA.	28,816	42,139	6,006	8,194	5,371	7,341	3,000	4,849	2,538	3,962	4,651	8,169
RI.	4,163	5,642	923	1,191	802	1,035	448	647	387	558	633	1,020
CT.	15,829	21,909	3,500	4,516	3,251	4,202	1,561	2,384	1,379	2,120	2,706	4,496
M.A.	159,349	208,627	38,078	44,506	34,220	40,005	17,381	23,280	14,742	19,963	24,938	39,523
NY.	72,267	95,807	17,446	20,695	15,361	18,223	7,612	10,430	6,296	8,734	9,955	15,927
N.J.	36,307	48,526	8,610	10,235	7,839	9,393	3,637	5,162	3,163	4,315	6,208	10,032
PA.	50,776	64,294	12,022	13,576	11,020	12,449	6,131	7,948	5,283	6,914	8,774	13,564
E.N.C.	180,556	232,746	40,116	45,292	37,456	42,353	22,119	28,340	19,081	25,470	32,365	50,887
OH.	46,315	60,784	11,145	12,759	10,447	11,976	6,156	8,240	5,380	7,215	7,981	12,747
IN.	23,724	31,849	5,299	6,204	5,023	5,892	2,678	3,698	2,252	3,117	4,410	7,275
IL.	50,747	63,158	10,561	11,720	9,844	10,941	5,921	7,443	5,061	6,409	8,959	13,670
MI.	39,216	51,965	8,518	9,742	7,835	8,971	4,944	6,748	4,497	6,105	7,521	11,975
WI.	20,554	24,990	4,594	4,867	4,307	4,573	2,420	3,211	1,970	2,624	3,494	5,200
W.N.C.	78,094	104,482	16,879	21,211	16,034	20,183	9,103	12,667	7,399	10,354	14,940	25,524
MN.	19,599	27,241	3,922	5,131	3,675	4,818	2,259	3,313	1,894	2,792	3,542	6,388
IA.	12,646	15,287	3,012	3,511	2,877	3,380	1,366	1,733	1,066	1,342	2,374	3,549
MO.	21,655	30,763	4,888	6,411	4,658	6,118	2,790	4,068	2,402	3,829	4,063	7,506
ND.	3,367	4,250	579	679	547	642	349	446	285	364	829	1,340
SD.	2,989	3,873	617	749	586	713	256	368	189	270	589	959
NE.	6,995	8,897	1,459	1,746	1,387	1,664	797	1,079	598	796	1,321	2,128
KS.	10,842	14,091	2,402	2,984	2,304	2,868	1,286	1,662	966	1,261	2,222	3,654
S.A.	176,375	238,701	41,345	48,394	39,223	48,005	19,521	27,325	15,412	21,803	33,357	59,039
DE.	3,131	4,216	679	804	620	734	418	582	380	505	525	948
MD.	20,983	28,863	4,696	5,648	4,344	5,235	2,458	3,433	2,117	2,982	3,781	6,846
DC.	2,654	3,299	495	583	450	531	225	320	189	273	327	190
VA.	24,706	33,724	5,843	6,698	5,680	6,665	2,881	4,058	2,237	3,184	4,599	8,134
WV.	7,521	9,816	2,022	2,153	1,954	2,084	1,006	1,338	797	1,070	1,351	2,254
NC.	25,003	34,423	6,207	7,482	6,010	7,259	2,508	3,569	1,688	2,431	4,779	8,526
SC.	12,498	17,004	3,180	3,820	3,099	3,719	1,244	1,756	905	1,289	2,218	3,957
GA.	24,408	34,100	5,582	6,724	5,368	6,475	2,764	3,997	2,200	3,225	4,828	8,317
FL.	55,469	73,756	12,631	14,211	11,799	13,303	6,017	8,272	4,938	6,844	11,348	19,867
E.S.C.	57,701	74,387	14,460	16,471	13,973	15,946	6,959	9,697	5,115	7,230	11,003	17,156
KY.	14,572	18,080	3,665	4,042	3,506	3,874	1,757	2,305	1,369	1,821	2,511	3,807
TN.	19,605	26,650	4,720	5,612	4,567	5,439	2,363	3,635	1,828	2,839	3,832	6,249
AL.	14,480	18,081	3,708	4,097	3,595	3,980	1,683	2,160	1,190	1,581	2,874	4,353
MS.	9,044	11,616	2,367	2,720	2,304	2,653	1,177	1,586	728	1,009	1,786	2,747
W.S.C.	127,444	153,939	30,030	33,593	28,877	32,366	14,440	18,377	11,419	14,663	27,341	32,176
AR.	9,114	11,075	2,130	2,411	2,065	2,343	1,154	1,482	967	1,246	1,979	2,370
LA.	19,986	23,774	5,039	5,596	4,854	5,400	2,326	2,924	1,733	2,211	3,770	4,256
OK.	16,071	19,434	3,805	4,216	3,693	4,099	1,812	2,297	1,284	1,677	3,713	4,411
TX.	82,274	99,656	19,056	21,370	18,265	20,524	9,148	11,674	7,424	9,529	17,880	21,139
Mt.	59,298	76,019	14,086	17,013	13,639	16,385	5,859	8,345	4,621	6,625	11,253	14,936
MT.	3,955	4,707	955	1,125	918	1,083	306	396	199	258	746	925
ID.	4,060	4,854	1,065	1,202	1,037	1,172	310	403	203	263	815	1,041
WY.	2,819	3,614	636	781	617	759	191	276	87	123	496	669
CO.	16,581	21,383	3,764	4,540	3,612	4,366	1,666	2,408	1,423	2,067	3,150	4,117
NM.	6,319	8,121	1,523	1,819	1,455	1,742	587	840	413	595	1,274	1,741
AZ.	13,894	18,401	3,423	4,259	3,292	4,104	1,491	2,156	1,186	1,734	2,620	3,575
UT.	6,327	7,740	1,513	1,778	1,448	1,704	711	960	579	777	1,196	1,515
NV.	5,343	7,199	1,207	1,511	1,160	1,455	587	906	530	808	957	1,353
Pac.	165,008	218,226	37,836	44,293	35,212	41,270	18,972	25,370	16,219	21,826	28,340	47,205
WA.	20,008	24,664	4,896	5,460	4,669	5,218	2,178	2,754	1,838	2,333	3,250	5,094
OR.	12,634	15,159	2,738	2,918	2,597	2,773	1,787	2,275	1,394	1,779	2,258	3,453
CA.	123,946	167,364	28,393	33,750	26,285	31,285	14,012	19,015	12,327	16,818	21,861	37,025
AK.	3,227	4,356	709	893	685	854	335	483	216	322	419	737
HI.	5,193	6,683	1,101	1,292	976	1,140	659	843	445	574	551	896

¹ Includes other types of stores, not shown separately.² Includes hardware dealers.³ Includes home furnishings stores.

Retail Sales

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STORE AND STATE: 1982 AND 1985

Data are estimates]

EATING AND DRINKING PLACES		GASOLINE SERVICE STATIONS		APPAREL AND ACCESSORIES STORES		BUILDING MATERIALS DEALERS ²		FURNITURE AND APPLIANCE STORES ³				DIVISION AND STATE	
1982	1985	1982	1985	1982	1985	1982	1985	Total		Furniture			
								1982	1985	1982	1985		
103,982	134,212	97,840	106,067	57,838	71,818	51,146	74,524	47,141	69,346	17,951	23,074	U.S.	
6,046	9,289	5,299	6,243	3,540	4,537	2,850	4,505	2,406	3,576	873	1,136	N.E.	
425	620	406	446	216	237	311	472	144	204	57	72	ME	
428	646	411	490	249	320	337	535	200	313	60	81	NH	
223	334	226	258	109	139	176	274	81	120	29	38	VT	
3,108	4,916	2,387	2,893	1,793	2,369	1,176	1,911	1,170	1,703	447	573	MA	
404	596	380	453	237	300	176	264	145	216	50	64	RI	
1,457	2,177	1,489	1,723	938	1,172	675	1,048	666	1,020	230	308	CT	
15,096	20,474	12,928	13,917	10,341	13,511	6,097	9,561	7,352	11,525	2,570	3,493	M.A.	
7,420	10,302	4,625	5,246	5,295	6,981	2,591	4,131	3,608	5,792	1,242	1,723	NY	
3,227	4,389	3,251	3,826	2,287	3,042	1,361	2,167	1,743	2,755	565	805	NJ	
4,449	5,783	4,452	4,845	2,759	3,478	2,145	3,268	2,002	2,978	744	965	PA	
18,183	21,494	19,154	20,529	9,426	11,494	7,982	11,166	7,473	10,825	2,717	3,427	E.N.C.	
4,683	5,732	5,408	5,872	1,956	2,458	1,837	2,650	1,808	2,683	692	895	OH	
2,333	2,915	2,790	3,195	1,079	1,423	1,166	1,652	902	1,382	338	449	IN	
5,138	5,717	4,716	4,677	3,291	3,858	2,143	2,984	2,203	3,117	829	1,025	IL	
3,819	4,646	4,069	4,663	2,249	2,780	1,790	2,584	1,883	2,486	577	739	MI	
2,211	2,484	2,171	2,122	851	975	1,046	1,316	877	1,177	281	319	WI	
7,183	8,425	8,436	9,543	3,773	4,103	4,657	6,132	3,143	4,382	1,282	1,582	W.N.C.	
1,801	2,192	2,108	2,445	922	1,045	1,221	1,620	776	1,092	292	357	MN	
1,137	1,197	1,416	1,488	618	628	798	947	485	600	206	228	IA	
2,037	2,511	2,299	2,790	1,015	1,160	1,100	1,619	822	1,231	308	404	MO	
291	306	371	396	174	177	246	293	138	175	67	76	ND	
275	313	370	415	147	159	204	259	114	150	53	63	SD	
687	821	769	823	352	365	449	581	342	490	185	246	NE	
956	1,085	1,104	1,166	544	569	638	813	487	644	171	208	KS	
16,667	21,700	16,282	17,050	9,227	10,909	8,757	13,102	8,299	12,580	3,448	4,611	S.A.	
266	348	274	287	168	199	158	240	136	206	52	69	DE	
1,944	2,590	2,037	2,177	1,126	1,235	791	1,091	951	1,517	335	457	MD	
563	712	185	191	241	293	40	58	132	191	58	74	DC	
2,152	2,850	2,451	2,594	1,245	1,521	1,083	1,649	1,168	1,837	499	698	VA	
544	646	738	744	338	360	455	594	291	367	140	160	WV	
2,172	2,872	2,006	2,095	1,390	1,719	1,523	2,358	1,219	1,837	584	783	NC	
1,114	1,507	1,250	1,328	692	856	728	1,119	585	876	278	375	SC	
2,293	3,163	2,457	2,733	1,261	1,531	1,319	2,082	1,050	1,650	441	611	GA	
5,619	7,012	4,883	4,901	2,766	3,205	2,661	3,931	2,767	4,099	1,061	1,387	FL	
4,741	6,004	5,646	6,217	2,936	3,616	2,893	3,615	2,286	3,408	1,055	1,408	E.S.C.	
1,277	1,876	1,628	1,758	642	747	758	934	538	769	241	308	KY	
1,708	2,247	2,048	2,345	989	1,329	900	1,166	825	1,291	361	502	TN	
1,126	1,381	1,237	1,310	857	999	753	921	583	845	282	365	AL	
630	800	733	803	449	541	482	594	339	503	172	233	MS	
11,410	15,084	10,410	11,115	7,446	8,560	6,963	11,641	5,717	7,575	2,350	2,739	W.S.C.	
657	878	808	879	476	543	486	829	338	453	165	201	AR	
1,843	2,367	1,601	1,723	1,147	1,292	1,171	1,879	932	1,245	404	480	LA	
1,440	1,913	1,174	1,277	958	1,073	945	1,540	780	987	303	362	OK	
7,470	9,926	6,827	7,235	4,864	5,652	4,361	7,393	3,717	4,890	1,478	1,896	TX	
6,059	7,416	5,874	6,644	2,752	3,097	3,429	4,795	2,672	4,125	1,038	1,406	Mt.	
424	465	403	418	201	202	272	345	173	254	61	80	MT	
375	481	368	408	179	187	263	326	173	241	80	104	ID	
284	342	407	465	139	150	201	280	98	153	36	49	WY	
1,854	2,292	1,472	1,604	785	891	966	1,478	798	1,262	276	381	CO	
629	776	632	726	328	383	398	549	251	386	115	158	NM	
1,428	1,829	1,342	1,598	558	657	695	982	657	1,029	246	333	AZ	
511	597	675	722	297	315	369	488	315	457	152	200	UT	
553	684	575	701	264	312	265	367	209	343	71	101	NV	
18,596	24,326	14,411	14,809	8,396	11,891	7,518	10,007	7,793	11,350	2,617	3,272	Pac.	
2,268	2,723	1,737	1,670	986	1,286	1,101	1,273	845	1,100	297	335	WA	
1,353	1,562	1,147	1,082	601	737	565	628	517	637	173	185	OR	
13,684	16,322	10,901	11,428	6,297	9,236	5,354	7,446	6,131	9,208	2,047	2,635	CA	
411	547	215	219	130	177	344	461	133	187	42	50	AK	
880	1,172	411	410	383	555	154	199	167	218	59	67	HI	

Source: Market Statistics, New York, NY, *The Survey of Buying Power Data Service*, annual (copyright).

NO. 1369. RETAIL TRADE ESTABLISHMENTS—NUMBER, SALES, AND EMPLOYEES, BY KIND OF BUSINESS: 1977 AND 1982

[Data for 1977 are adjusted for comparable treatment of leased departments between 1977 and 1982. Each kind-of-business classification includes leased departments classified in that kind of business as if they were separate establishments. See *Historical Statistics, Colonial Times to 1970*, series T 78-196 for similar but not comparable data.]

KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mill. dol.)		ANNUAL PAYROLL (mill. dol.)		PAID EMPLOYEES ¹ (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
	1,970.4	1,923.2	720,459	1,065,917	85,417	123,619	12,968	14,468
Retail trade, total.....								
Building materials, hardware, garden supply, and mobile home dealers.....	90.6	88.5	38,914	50,993	4,372	8,221	471	504
Building materials, supply stores.....	40.6	40.1	27,123	35,144	2,993	4,179	294	307
Hardware stores.....	26.6	25.4	6,139	8,727	810	1,250	113	127
Retail nurseries, lawn and garden supply stores.....	15.5	16.5	1,794	3,120	266	456	36	47
Mobile home dealers.....	7.8	6.5	3,857	4,003	303	336	27	24
General merchandise group stores.....	48.9	44.7	87,825	120,414	11,906	14,822	1,885	1,839
Department stores (incl. leased depts. ²)	8.8	10.0	76,909	107,163	10,743	(NA)	1,644	(NA)
Department stores (excl. leased depts.) ³	8.8	10.0	71,053	99,170	9,966	12,495	1,519	1,515
Variety stores.....	17.4	13.5	6,897	8,211	985	1,085	211	161
Misc. general merchandise stores.....	22.7	21.3	9,784	13,033	955	1,241	156	163
Food stores ³	252.9	241.7	158,444	246,121	14,777	23,530	1,964	2,348
Grocery stores.....	179.0	168.0	148,116	230,696	13,370	21,364	1,694	2,031
Meat and fish (seafood) markets.....	17.0	15.5	3,857	5,652	391	563	56	62
Retail bakeries.....	20.2	22.2	2,352	3,752	633	979	132	159
Fruit stores, vegetable markets.....	7.9	6.5	1,092	1,552	81	135	14	17
Candy, nut, confectionery stores.....	9.1	8.9	651	972	78	129	19	23
Dairy products stores.....	6.3	7.1	1,259	1,531	127	163	31	27
Automotive dealers ³	139.7	129.3	150,130	193,515	13,338	16,882	1,119	1,051
Motor vehicle dealers:								
New and used cars.....	30.8	27.2	121,828	154,726	10,274	12,309	790	699
Used cars only.....	37.0	34.6	6,946	8,207	974	1,450	42	36
Auto and home supply stores.....	47.7	48.8	13,095	21,156	1,968	3,223	210	245
Boat dealers.....	6.6	5.5	2,597	2,936	248	304	26	23
Recreational and utility trailer dealers.....	5.2	3.5	2,896	2,831	207	231	20	16
Motorcycle dealers.....	6.4	5.6	1,980	2,930	214	308	24	27
Gasoline service stations.....	177.6	135.5	56,638	97,440	3,834	4,768	673	604
Apparel and accessory stores ³	147.8	159.0	37,164	57,816	5,207	7,563	866	979
Men's and boys' clothing, furnishings.....	23.1	18.6	7,042	7,803	1,102	1,224	146	123
Women's clothing and specialty stores and furnishings.....	55.1	58.8	13,629	22,264	1,902	2,758	353	397
Women's ready-to-wear stores.....	45.7	47.9	12,537	20,413	1,755	2,492	328	363
Family clothing stores.....	21.6	23.7	7,972	13,660	1,033	1,671	183	219
Shoe stores.....	33.4	39.4	7,058	11,419	969	1,571	146	189
Children's and infants' wear stores.....	5.3	6.6	737	1,410	99	172	21	28
Furniture, home furnishings, and equipment stores.....	139.1	131.7	33,315	46,761	4,583	6,287	515	543
Furniture stores.....	40.8	38.3	14,060	17,658	2,064	2,608	220	214
Home furnishing stores.....	42.0	44.3	6,324	9,435	897	1,320	105	124
Floor covering stores.....	17.2	17.1	4,043	5,287	562	721	55	54
Household appliance stores.....	17.6	13.9	4,727	5,855	579	697	65	59
Radio, television, and music stores.....	38.6	35.2	8,180	13,813	1,023	1,662	124	146
Eating and drinking places.....	369.0	381.7	63,371	104,592	15,437	25,708	3,765	4,666
Eating places ³	275.2	301.7	55,670	95,091	14,040	23,987	3,431	4,341
Restaurants and luncheonettes.....	(NA)	(NA)	(NA)	(NA)	7,784	12,935	1,884	2,291
Refreshment places.....	(NA)	(NA)	(NA)	(NA)	4,486	8,185	1,160	1,610
Drinking places (alcoholic beverages).....	93.8	80.0	7,700	9,501	1,397	1,721	334	325
Drug and proprietary stores.....	50.3	52.0	23,381	36,440	3,154	4,605	463	496
Miscellaneous retail stores.....	454.7	559.0	71,279	111,824	8,810	13,232	1,246	1,438
Liquor stores.....	44.6	41.5	13,031	18,146	916	1,310	146	167
Used merchandise stores.....	49.9	59.0	2,852	4,665	395	730	61	80
Misc. shopping goods stores.....	166.3	190.0	21,242	35,425	2,775	4,705	447	574
Sporting goods, bicycle shops.....	31.6	34.7	4,673	8,012	535	926	77	106
Book stores.....	12.7	14.9	1,842	3,269	233	401	43	58
Stationery stores.....	6.4	6.6	1,125	1,561	176	257	28	28
Jewelry stores.....	35.4	38.7	5,712	8,829	874	1,433	111	132
Hobby, toy, game shops.....	18.6	22.0	1,785	3,464	181	325	34	46
Camera, photographic supply.....	5.7	6.7	1,175	1,948	135	225	17	21
Gift, novelty, souvenir.....	34.1	41.4	2,576	5,037	332	694	69	110
Luggage, leather goods.....	2.6	3.2	372	620	55	94	8	11
Sewing, needlework, piece goods.....	19.2	21.9	1,981	2,688	254	350	61	62
Nonstore retailers.....	32.8	32.7	14,445	20,491	2,374	2,942	268	274
Mail order houses.....	11.0	12.2	7,560	11,392	1,110	1,194	126	103
Automatic merchandising machine operators.....	13.5	11.8	3,945	4,924	655	935	73	84
Direct selling establishments.....	8.4	8.7	2,939	4,175	609	813	88	88
Fuel and ice dealers.....	20.3	15.7	10,168	17,059	1,026	1,405	101	95
Florists.....	29.5	34.7	2,413	3,734	467	711	88	104
Cigar stores and stands.....	3.7	3.5	470	624	43	68	8	9
News dealers and newsstands.....	7.8	13.1	533	790	42	60	9	9
Miscellaneous retail stores, n.e.c. ⁵	99.9	168.9	6,124	10,917	770	1,301	98	127
Optical goods stores.....	(NA)	(NA)	(NA)	(NA)	272	404	27	34

NA Not available. ¹ For pay period including March 12. ² Includes sales from catalog order desks. ³ Includes other kinds of businesses, not shown separately. ⁴ Revised data not carried to broader kind of business. ⁵ Revised. ⁶ N.e.c. means not elsewhere classified.

Source: U.S. Bureau of the Census, 1982 Census of Retail Trade, RC82-A-52 (change sheet, June 1985).

NO. 1370. DOMESTIC FRANCHISING—SUMMARY: 1970 TO 1986

[Franchising is a form of marketing or distribution in which a parent company customarily grants an individual or a company the right, or privilege, to do business in a prescribed manner over a certain period of time in a specified place. The parent company is termed the franchisor; the receiver of the privilege the franchisee; and the right, or privilege, the franchise. Excludes foreign outlets of U.S. companies]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985 ¹	1986 ¹
Number of franchised establishments...		1,000	396	435	452	442	442	439	442	444	454
Company-owned ²		1,000	72	81	85	86	86	87	88	87	88
Franchisee-owned		1,000	324	354	367	357	356	352	355	357	366
Sales of products and services...	Bil. dol.	120	191	312	336	365	376	423	492	530	576
Company-owned ²	Bil. dol.	23	29	39	47	51	55	59	64	68	74
Franchisee-owned	Bil. dol.	96	162	273	289	314	321	364	426	462	502
Average sales per establishment	\$1,000	302	439	690	760	824	856	958	1,108	1,167	1,203
Employment	1,000	(NA)	3,511	4,605	4,668	4,878	4,927	5,165	5,671	(NA)	(NA)

NA Not available. ¹ Estimated by respondents to annual survey of franchisors. ² Represents establishments owned by the parent company.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1984-86*.

NO. 1371. DOMESTIC FRANCHISING—NUMBER OF ESTABLISHMENTS AND SALES, BY KIND OF FRANCHISED BUSINESS: 1970 TO 1986

[See headnote, table 1370, for definition of franchising]

KIND OF FRANCHISED BUSINESS	NUMBER OF ESTABLISHMENTS (1,000)						SALES (mil. dol.)					
	1970	1975	1980	1984	1985 ¹	1986 ¹	1970	1975	1980	1984	1985 ¹	1986 ¹
All franchising, total	396.3	434.6	442.4	444.3	454.2	478.5	119,758	190,931	336,220	492,088	530,117	575,769
Auto and truck dealers ²	37.2	31.8	29.4	27.1	27.3	27.3	58,812	94,497	143,861	252,063	277,018	302,498
Percent	9.4	7.3	6.6	6.1	6.0	5.7	49.1	49.5	42.8	51.2	52.3	52.5
Restaurants (all types) ²	32.6	43.0	60.0	70.5	75.9	82.9	4,602	12,262	27,887	43,434	48,009	53,810
Percent	8.2	9.9	13.6	15.9	16.7	17.3	3.8	6.4	8.3	8.8	9.1	9.3
Gasoline service stations ²	222.0	189.5	158.0	132.1	124.6	121.0	29,340	47,387	94,470	100,997	100,492	102,502
Percent	56.0	42.6	35.8	29.7	27.4	25.3	24.5	24.8	28.1	20.5	19.0	17.8
Retailing (nonfood) ²	30.7	37.2	35.2	40.0	42.3	45.3	13,133	9,031	10,517	15,528	17,221	19,457
Percent	7.7	8.6	8.0	9.0	9.3	9.5	11.0	4.7	3.1	3.2	3.2	3.4
Auto, truck rental services	10.7	6.5	7.3	11.3	11.8	12.5	3,177	1,475	3,146	4,966	5,451	6,208
Automotive products and services ⁴	20.4	47.5	40.2	35.1	36.2	38.2	1,936	5,006	7,084	9,186	10,099	11,334
Business aids and services	10.5	22.2	40.7	47.3	50.9	56.6	723	1,397	6,749	9,791	11,330	13,066
Employment services	2.9	2.7	4.4	4.4	4.8	5.2	516	553	1,594	2,514	2,894	3,292
Tax preparation services	4.7	7.5	9.2	8.5	8.6	8.8	85	161	289	435	459	485
Accounting, credit, collection, and general	1.1	3.5	2.4	2.3	2.4	2.6	20	165	121	162	166	193
Other	1.7	8.3	24.7	32.1	35.1	40.0	101	518	4,745	6,680	7,811	9,096
Construction, home improvement, maintenance, and cleaning	.7	10.8	14.3	16.9	16.9	19.0	63	639	1,475	3,122	3,326	3,772
Convenience stores	8.8	13.5	15.6	15.0	15.3	16.1	1,277	3,906	7,821	10,293	10,811	12,363
Educational products and services	4.9	1.3	3.2	7.3	8.0	8.9	86	173	339	684	743	839
Equipment rental services	(*)	1.4	2.2	2.3	2.6	2.9	(*)	157	356	639	707	807
Food retailing ⁵	(NA)	11.8	15.5	16.2	17.6	20.2	(NA)	1,445	7,430	8,631	9,070	9,916
Hotels and motels ⁶	3.4	6.4	6.4	7.0	7.6	8.4	3,540	4,601	9,506	13,159	14,281	15,512
Laundry, dry cleaning services	4.1	3.2	3.4	2.8	2.7	2.8	144	214	286	286	298	331
Recreation, entertainment, travel...	2.7	3.4	4.6	7.2	7.7	8.4	77	162	516	1,810	2,172	2,736
Soft drink bottlers ⁷	2.7	2.4	1.9	1.5	1.4	1.3	4,102	8,165	14,352	16,700	18,100	19,500
Miscellaneous	4.8	2.7	3.6	4.8	5.5	6.7	295	414	447	798	910	1,118

NA Not available. ¹ Estimated by respondents. ² Estimated by source on basis of Bureau of the Census and trade association data. ³ Equipment rental services included with auto, truck rental services. ⁴ Includes some establishments with significant sales of nonautomotive products such as household appliances, garden supplies, etc. ⁵ Excludes convenience stores. ⁶ Beginning 1975, includes campgrounds. ⁷ Includes soft drinks, fruit drinks and ade, syrups, flavoring agents and bases. Excludes independent private label and contract-filler bottling companies, which accounted for 22 percent of the value of shipments of the total industry in recent years.

Source: U.S. Dept. of Commerce, International Trade Administration, *Franchising in the Economy, 1984-86*.

Domestic Trade and Services

NO. 1372. FRANCHISED NEW CAR DEALERSHIPS—SUMMARY: 1970 TO 1985

[Calendar year, except as indicated]

ITEM	Unit	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985
Dealerships, total ¹	Number	30,800	29,600	29,000	28,850	28,250	26,600	25,700	24,725	24,725	24,725
Handling—											
Domestic only ²	Number	22,500	18,500	11,800	11,650	11,600	10,000	14,450	14,675	14,625	12,300
Imports only ³	Number	4,500	4,600	4,500	4,500	4,550	4,550	4,000	3,950	3,875	3,825
Both	Number	3,800	6,500	12,700	12,700	12,100	12,050	7,250	6,100	6,225	8,600
Sales	Bil. dol.	51.8	84.2	136.5	142.9	130.5	144.6	154.8	189.8	230.9	260.2
New cars	1,000	8,393	8,633	11,310	10,660	8,979	8,533	7,960	9,182	10,390	11,038
Used vehicles	1,000	11,283	11,281	13,030	11,614	10,287	10,760	10,459	11,195	12,473	12,712
Employment	1,000	702.9	728.0	861.8	837.3	753.7	705.1	702.3	729.4	790.0	835.0
Annual payroll	Bil. dol.	5.5	8.4	12.1	12.1	11.9	12.1	12.4	14.0	16.0	17.9
Advertising expenses	Bil. dol.	.4	.6	1.1	1.1	1.2	1.3	1.4	1.7	2.2	2.9
Inventory: ⁴											
Domestic: ⁴											
Total	1,000	1,409	1,514	1,804	1,891	1,506	1,457	1,294	1,209	1,413	1,510
Days' supply	Days	60	67	61	70	71	74	71	55	55	58
Imported: ⁴											
Total	1,000	(NA)	407	607	502	468	427	381	260	216	271
Days' supply	Days	(NA)	80	93	63	55	52	54	34	26	30

NA Not available. ¹ At beginning of year. ² Classification based on where automobiles are produced (i.e., automobiles manufactured by foreign companies but produced in the U.S. are classified as domestic). ³ Annual average.

Source: National Automobile Dealers Association, McLean, VA, *NADA Data*, annual.

NO. 1373. DRUGS AND TOILETRIES—RETAIL SALES: 1982 TO 1984

[In millions of dollars. Excludes government and hospital use. Due to changes in product components, data not strictly comparable year to year]

PRODUCT	1982	1983	1984	PRODUCT	1982	1983	1984
Total sales	47,523	52,569	57,012	Toiletries	17,702	18,469	19,947
Drugs and health aids	29,821	34,100	37,065	Cosmetics ¹	4,450	4,790	5,006
Prescriptions	16,154	19,654	20,893	Lipstick	1,048	1,132	1,178
Baby needs	3,694	3,956	4,758	Mascara	835	910	958
Disposable diapers	2,078	2,223	2,356	Hair care ¹	4,410	4,725	4,791
Analgistics	1,655	1,635	1,858	Shampoo	1,406	1,510	1,575
Aspirin-salicylate compounds	798	726	799	Hair dressing	1,332	1,422	1,664
Cough/cold items	1,400	1,523	1,590	Hair accessories	872	921	637
Feminine hygiene	1,235	1,271	1,335	Personal hygiene	2,152	1,747	2,382
Digestive aids	1,227	1,285	1,311	Bath soaps	1,265	773	1,370
Antacids	742	780	806	Deodorants	870	960	1,012
Home health care	1,110	1,174	1,378	Dental products	1,923	2,074	2,181
Vitamins	1,257	1,305	1,366	Toothpaste	922	998	1,046
First aid	839	881	912	Fragrances	1,864	1,966	2,109
Diat aids	450	555	711	Men's	912	964	1,044
Foot care	278	291	298	Women's	952	1,002	1,085
Other	521	570	715	Skin and sun care products	1,685	1,803	1,904
				Shaving products	1,218	1,364	1,574

¹ Includes other products, not shown separately.

Source: Medical Economics Company, Inc., Ossining, NY, *Drug Topics*, Marketing Guide, annual. (Further reproduction prohibited without written permission of copyright owner.)

NO. 1374. WHOLESALE TRADE—SUMMARY: 1954 TO 1982

[Prior to 1958, excludes Alaska and Hawaii. Data for 1972 through 1982 not strictly comparable with prior years due to changes in Standard Industrial Classification; for details, see source. See also *Historical Statistics, Colonial Times to 1970*, series T 43-47, and T 274-279.]

ITEM	Unit	1954	1958	1963	1967	1972	1977	1982
Firms, total	1,000	(NA)	(NA)	232	233	276	289	321
Establishments, total	1,000	250	287	308	311	370	383	416
With sales of \$1,000,000 or more	1,000	(NA)	(NA)	62	75	103	152	190
Sales, all establishments	Bil. dol.	234.0	285.7	358.4	459.5	695.2	1,268.4	1,998
Merchant wholesalers	Bil. dol.	100.1	122.1	157.4	206.1	363.9	676.1	1,159
Inventories, end of year	Bil. dol.	13.0	15.0	20.1	28.1	45.7	82.3	130.7
Payroll, entire year	Bil. dol.	10.9	13.2	18.1	23.9	36.9	58.3	98.2
Paid employees, Mar. 15 workweek ¹	1,000	2,555	2,808	3,089	3,519	4,026	4,997	4,985
Active proprietors of unincorporated businesses	1,000	150	158	133	122	(NA)	(NA)	(NA)

NA Not available. ¹ 1954-1963 data for workweek including Nov. 15.

Source: U.S. Bureau of the Census, *U.S. Census of Business: 1954*, vol. III; *1958*, vol. III; *1963*, vol. IV; *1967*, vol. III; and *Census of Wholesale Trade: 1972*, vol. I; *1977*, WC 77-A-52 and *1982*, WC 82-A-52.

NO. 1375. MERCHANT WHOLESALERS—SUMMARY: 1975 TO 1985

[Data reflect methodological revision effective August 1977. Based on Current Business Survey; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series T 280-371, for related sales data.]

SIC 1 code	KIND OF BUSINESS	1975	1979	1980	1981	1982	1983	1984	1985
SALES (mil. dol.)									
	Merchant wholesalers	561,637	953,658	1,124,451	1,224,160	1,155,481	1,205,093	1,360,853	1,374,752
50	Durable goods ²	231,692	432,456	483,079	523,356	480,299	516,964	609,210	630,312
501	Motor vehicles and automotive equipment.....	39,681	76,221	83,142	89,608	91,394	101,984	121,186	132,391
502	Furniture and home furnishings.....	8,265	14,492	16,276	17,914	17,663	20,199	23,716	24,210
503	Lumber and other construction material.....	17,261	38,415	36,390	34,872	33,118	40,712	44,561	46,193
505	Metals and minerals, except petroleum.....	(S)	56,473	63,436	70,432	52,489	52,728	64,928	60,933
506	Electrical goods.....	22,747	42,558	48,899	53,808	55,837	67,315	86,814	88,753
507	Hardware, plumbing, and heating equipment.....	15,200	26,895	29,109	31,090	29,255	32,293	37,671	41,263
508	Machinery, equipment, and supplies.....	69,153	123,422	140,680	157,203	140,896	138,817	162,893	165,820
509	Miscellaneous durable goods.....	(S)	42,911	52,524	55,138	45,994	49,468	53,166	54,467
51	Nondurable goods ²	329,945	521,202	641,372	700,804	675,182	688,129	751,643	744,440
511	Paper and paper products.....	11,215	19,780	22,608	25,072	25,937	28,617	34,473	36,798
512	Drugs, drug proprietaries, and druggists' sundries.....	8,750	12,118	13,607	15,856	18,636	19,739	22,143	25,095
514	Groceries and related products.....	95,754	139,201	155,372	165,374	174,687	180,308	208,925	217,085
515	Farm-product raw materials.....	83,264	108,238	125,433	126,899	114,598	123,307	126,154	93,252
518	Bear, wine, and distilled beverages.....	19,370	28,739	31,911	34,683	36,456	36,869	37,646	39,358
519	Miscellaneous nondurable goods.....	43,651	65,781	77,501	86,354	88,492	90,732	101,373	104,008
INVENTORIES ³ (mil. dol.)									
	Merchant wholesalers	56,972	99,262	113,478	118,259	118,149	120,265	131,544	136,718
50	Durable goods ²	36,972	64,014	72,751	77,940	77,972	77,331	86,283	86,691
501	Motor vehicles and automotive equipment.....	6,576	10,636	11,524	11,799	13,328	12,687	14,677	15,943
502	Furniture and home furnishings.....	1,234	2,167	2,427	2,473	2,418	2,568	2,952	3,268
505	Metals and minerals, except petroleum.....	4,428	7,503	8,596	10,027	9,353	8,815	9,225	8,584
506	Electrical goods.....	3,530	6,249	7,284	8,469	8,624	8,114	12,471	12,273
507	Hardware, plumbing, and heating equipment.....	2,677	4,476	4,921	5,113	4,775	5,037	5,779	5,746
508	Machinery, equipment, and supplies.....	12,950	23,337	27,465	29,791	29,284	28,603	29,926	30,023
51	Nondurable goods ²	20,000	35,248	40,727	40,319	40,177	42,934	45,261	50,027
511	Paper and paper products.....	1,010	1,654	1,862	2,086	2,048	2,503	2,734	3,014
514	Groceries and related products.....	4,449	6,684	7,298	7,293	7,645	8,372	9,184	10,373
515	Farm-product raw materials.....	4,088	6,848	7,683	6,140	6,402	7,354	6,762	8,648
518	Bear, wine, and distilled beverages.....	1,745	2,818	3,080	3,272	3,353	3,159	3,349	3,283
519	Miscellaneous nondurable goods.....	3,276	6,056	7,003	7,550	7,403	7,930	9,347	9,524
SALES/INVENTORY RATIO ³									
	Merchant wholesalers	9.86	9.61	9.91	10.35	9.78	10.02	10.34	10.06
50	Durable goods ²	6.27	6.76	6.64	6.71	6.16	6.69	7.06	7.27
501	Motor vehicles and automotive equipment.....	6.03	7.17	7.21	7.59	6.56	8.04	8.26	8.30
502	Furniture and home furnishings.....	6.70	6.69	6.71	7.24	7.30	7.87	8.03	7.41
505	Metals and minerals, except petroleum.....	(S)	7.53	7.98	7.02	5.61	5.98	7.04	7.10
506	Electrical goods.....	6.44	6.81	6.71	6.35	6.47	7.39	6.96	7.23
507	Hardware, plumbing, and heating equipment.....	5.68	6.01	5.92	6.07	6.13	6.41	6.52	7.18
508	Machinery, equipment, and supplies.....	5.34	5.29	5.12	5.28	4.81	4.87	5.44	5.52
51	Nondurable goods ²	16.50	14.79	15.75	17.38	16.81	16.03	16.06	14.88
511	Paper and paper products.....	11.10	11.96	12.14	12.02	12.66	11.43	12.61	12.21
514	Groceries and related products.....	21.52	20.79	21.29	22.68	22.85	22.73	22.75	20.93
515	Farm-product raw materials.....	20.37	15.80	16.33	20.67	17.90	16.77	18.66	10.78
518	Bear, wine, and distilled beverages.....	11.10	10.20	10.43	10.60	10.87	11.67	11.24	11.99
519	Miscellaneous nondurable goods.....	13.32	10.86	11.07	11.44	11.95	11.44	10.85	10.92

¹ Data do not meet publication standards. ² Standard Industrial Classification; see text, section 13. ³ Includes kinds of businesses, not shown separately.

³ End of year inventories; seasonally adjusted.

Domestic Trade and Services

No. 1376. WHOLESALE TRADE—SUMMARY, BY STATE: 1982

DIVISION AND STATE	Establishments	Sales (bil. dol.)	ANNUAL PAYROLL		Paid employees ¹ (1,000)	MERCHANT WHOLESALEERS		PERCENT CHANGE, 1977-1982	
			Total (mill. dol.)	As per- cent of operat- ing ex- penses		Establishments	Sales (bil. dol.)	Sales	Annual pay- roll
U.S.	415,829	1,997.9	95,209	47.0	4,985	337,943	1,159.3	58.8	63.3
N. Eng.:									
ME	1,654	4.2	261	46.6	18	1,465	3.1	49.0	46.8
NH	1,487	4.1	293	50.4	16	1,220	2.8	102.0	98.2
VT	800	1.9	126	45.2	9	720	1.6	81.1	67.7
MA	9,709	49.8	2,654	49.4	132	7,637	26.3	64.6	71.2
RI	1,549	5.0	307	47.3	18	1,334	3.2	61.6	48.8
CT	5,329	32.7	1,433	46.9	69	4,241	19.8	70.1	76.5
Mid. Atl.:									
NY	39,106	261.2	9,205	43.8	430	32,622	176.3	57.9	50.5
NJ	14,739	89.4	4,481	43.2	211	11,789	46.2	81.5	69.0
PA	17,873	78.4	4,167	49.3	221	14,206	38.8	46.1	47.9
E. No. Cent.:									
OH	16,965	79.6	4,238	49.1	221	12,987	37.5	29.0	44.8
IN	8,953	31.5	1,687	48.0	99	7,459	19.1	23.9	37.9
IL	21,722	131.1	6,114	47.0	287	16,975	65.5	35.0	45.3
MI	12,999	59.8	3,041	49.0	146	10,159	27.6	32.5	44.2
WI	8,159	27.4	1,621	49.8	91	6,832	16.6	39.5	45.8
W. No. Cent.:									
MN	9,020	47.4	2,047	49.6	104	7,334	30.6	82.9	59.4
IA	7,393	25.8	1,117	43.9	69	6,507	19.2	28.6	35.4
MO	10,149	49.4	2,264	47.8	122	8,202	27.5	40.8	49.0
ND	2,109	6.0	313	48.6	19	1,880	4.7	53.7	60.2
SD	1,803	4.9	226	46.6	16	1,635	3.0	42.7	39.4
NE	4,073	17.4	703	47.5	42	3,565	10.1	63.5	42.3
KS	5,607	24.5	1,023	47.6	58	4,605	15.5	40.4	56.7
So. Atl.:									
DE	819	7.3	314	34.8	14	669	2.1	41.7	63.3
MD	5,507	25.8	1,495	49.7	77	4,333	13.3	52.7	64.6
DC	495	2.6	183	53.7	9	394	1.5	21.8	14.3
VA	6,960	28.7	1,602	50.5	91	5,687	14.8	50.4	87.8
WV	2,380	6.1	430	48.6	26	2,016	4.1	35.8	43.5
NC	10,234	39.6	1,939	48.5	116	8,219	16.9	43.8	54.7
SC	4,539	12.7	711	47.7	46	3,884	7.8	53.5	54.0
GA	11,322	56.1	2,559	46.8	140	8,651	22.2	59.3	75.0
FL	19,537	65.6	3,582	46.7	212	16,287	39.1	90.8	95.5
E. So. Cent.:									
KY	5,278	19.2	966	48.1	60	4,338	11.0	42.4	49.4
TN	7,853	37.8	1,761	46.5	102	6,329	19.4	29.2	57.2
AL	5,913	19.6	1,074	46.6	68	4,948	12.2	38.5	52.2
MS	3,633	10.8	571	46.5	38	3,189	8.5	54.4	50.1
W. So. Cent.:									
AR	3,769	10.7	576	47.5	39	3,319	7.3	57.6	59.2
LA	7,679	36.1	1,740	47.0	98	6,335	24.9	84.6	82.1
OK	6,167	28.1	1,306	47.9	71	5,176	18.5	109.3	104.5
TX	31,978	205.0	8,070	47.2	417	25,670	122.7	133.7	109.4
Mt.:									
MT	1,808	4.9	266	47.9	16	1,588	3.7	66.4	63.6
ID	2,026	5.1	308	45.2	22	1,773	3.7	58.9	46.1
WY	1,091	3.3	178	49.6	10	905	2.8	67.7	134.9
CO	6,357	26.9	1,476	50.3	77	4,940	15.2	72.1	86.9
NM	2,123	5.1	345	49.3	21	1,821	4.1	89.3	79.7
AZ	4,555	13.9	906	49.6	52	3,721	8.3	72.1	92.5
UT	2,585	8.7	551	48.4	31	2,085	5.3	62.7	68.0
NV	1,233	3.9	252	45.2	14	1,073	2.6	122.1	98.7
Pac.:									
WA	7,889	31.3	1,777	49.6	90	6,180	18.5	57.6	63.8
OR	5,180	26.9	1,107	47.3	58	4,221	18.9	48.8	44.6
CA	43,278	217.7	11,385	46.4	548	34,832	128.6	69.3	79.4
AK	706	2.7	206	50.4	7	552	1.6	75.2	77.3
HI	1,737	4.1	288	46.3	17	1,434	2.5	58.8	62.0

¹ For the pay period including March 12.

Source: U.S. Bureau of the Census, 1982 Census of Wholesale Trade, Geographic Area Series, WC82-A-1 to 51.

No. 1377. WHOLESALE TRADE, BY TYPE OF OPERATION AND KIND OF BUSINESS: 1977 AND 1982

[See *Historical Statistics, Colonial Times to 1970*, series T 274-287 and T 352-369 for similar but not comparable data]

TYPE OF OPERATION AND KIND OF BUSINESS	ESTABLISHMENTS (1,000)		SALES (mill. dol.)		ANNUAL PAYROLL (mill. dol.)		PAID EMPLOYEES ¹ (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Wholesale trade.....	382.8	415.8	1,258,400	1,997,895	58,290	95,209	4,397	4,985
Merchant wholesalers.....	307.2	337.9	677,550	1,159,334	42,067	69,936	3,368	3,918
Other operating types.....	75.6	77.9	580,851	836,561	16,223	25,273	1,029	1,067
Durable goods.....	226.2	256.1	608,756	881,212	34,998	57,368	2,539	2,913
Motor vehicles, automotive equipment.....	38.9	39.5	147,112	187,607	5,148	7,524	423	433
Furniture, home furnishings.....	11.1	12.5	22,032	32,452	1,445	2,367	110	128
Lumber, construction materials.....	15.7	17.0	46,179	50,694	2,502	3,429	180	184
Sporting, recreational, photographic goods ²	6.6	7.3	16,521	26,980	1,024	1,646	77	85
Metals and minerals, except petroleum.....	9.4	10.1	80,298	102,690	2,178	3,359	133	148
Electrical goods.....	24.9	29.2	69,999	120,062	3,922	7,462	277	357
Hardware, plumbing, heating equipment.....	18.6	20.8	30,605	43,529	2,576	4,051	194	217
Machinery, equipment, supplies.....	84.0	99.2	165,057	263,309	14,350	24,804	986	1,192
Miscellaneous.....	17.1	20.4	30,952	53,889	1,852	2,726	160	171
Nondurable goods.....	156.6	159.7	649,644	1,116,683	23,292	37,841	1,858	2,072
Paper, paper products.....	11.7	13.9	32,509	53,493	2,103	3,586	148	187
Drugs, drug proprietaries ³	3.6	3.9	19,445	32,087	1,448	1,975	89	106
Apparel, piece goods, notions.....	13.0	14.3	39,895	55,897	1,930	2,897	131	144
Groceries and related products.....	38.0	38.5	182,905	288,659	7,469	12,269	602	674
Farm-product raw materials.....	14.8	13.9	110,332	153,419	1,273	1,839	135	136
Chemicals, allied products.....	8.5	10.7	51,661	76,103	1,603	2,902	100	124
Petroleum, petroleum products.....	22.6	18.7	116,780	296,995	2,249	3,433	179	188
Beer, wines, distilled alcoholic beverages.....	6.7	6.4	26,979	42,122	1,841	3,091	122	141
Miscellaneous.....	37.8	39.4	69,198	116,008	3,778	5,849	351	372

¹ For pay period including March 12.² Includes toys, hobby goods, and supplies.³ Includes druggists sundries.Source: U.S. Bureau of the Census, *Census of Wholesale Trade, 1977*, Geographic Area Series, WC 77-A-52, and *1982, Geographic Area Series, WC 82-A-52*.

No. 1378. SELECTED SERVICE INDUSTRIES—SUMMARY: 1977 AND 1982

[For establishments with paid employees]

ITEM	Unit	FIRMS SUBJECT TO FEDERAL INCOME TAX		Firms exempt ² 1982
		1977	1982	
		Original	Revised ¹	
Firms.....	1,000	654	1,154	740
Total establishments.....	1,000	725	1,282	827
Single unit.....	1,000	635	1,111	708
Multiunit.....	1,000	90	151	119
Receipts ³	Bil. dol.	164.2	427.0	310.7
Average receipts ³ per establishment.....	\$1,000	226.5	395.4	375.7
Of multiunit establishments.....	Bil. dol.	63.5	163.9	140.1
Percent of total ⁴	Percent	38.7	38.4	45.1
Payroll, entire year.....	Bil. dol.	56.1	158.6	107.9
Paid employees ⁴	1,000	6,337	11,106	8,060

¹ Because of the differences in scope between 1977 and 1982, the 1982 data have been recomputed to be comparable to 1977 Standard Industrial Classification codes 702, 704, 80 (except 8072); 823, 824, 829 83, 892, 893, and 899 excluded).² No similarly published data in 1977.³ Revenue for tax-exempt activity.⁴ For workweek including March 12.Source: U.S. Bureau of the Census, *Census of Service Industries, 1977* vol. 1, and *1982 SC 82-I-1*, and unpublished data.

No. 1379. HOTEL AND MOTOR HOTEL OPERATIONS—OCCUPANCY RATIO, SALES INDEXES, AND ROOM RATE INDEX: 1960 TO 1985

[Annual averages of monthly figures. Based on monthly reports from lodging establishments (approximately 1,400 in 1985). Prior to 1980, economy operations were excluded. See table 1381.]

ITEM	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Occupancy ratio (percent).....	65	55	62	66	68	72	71	68	67	65	65	66	64
Sales Indexes (1967=100):													
Total sales.....	94	107	132	147	163	188	210	234	251	256	267	289	294
Room sales.....	90	112	145	164	185	218	249	283	305	313	329	361	370
Restaurant sales.....	97	100	119	129	139	156	167	180	191	193	198	209	209
Room rate index (1967=100)	86	125	165	178	194	220	255	295	326	348	361	387	404

Source: Lavellehol & Horwath, Philadelphia, PA, *National Trend of Business in the Lodging Industry*, monthly. (Copyright.)

Domestic Trade and Services

NO. 1380. SERVICE INDUSTRIES ESTIMATED ANNUAL RECEIPTS: 1980 TO 1985

[In millions of dollars. Except as noted, data are benchmarked to the 1977 and 1982 Census of Service Industries]

SIC ¹ code	KIND OF BUSINESS	1980	1981	1982	1983	1984	1985
7	Selected services, total	(NA)	(NA)	(NA)	292,110	325,058	363,134
701, 3	Hotels, motels tourist courts, camps, and trailer parks	28,323	32,041	33,950	37,207	40,276	43,485
701	Hotels, motels, and tourist courts	26,952	30,921	32,749	35,897	36,917	41,837
72	Personal services ²	25,133	27,373	28,463	32,525	34,570	37,690
721	Laundry, cleaning, and garment services ²	9,213	9,575	9,913	10,743	12,082	12,748
7215	Coin-operated laundries and dry cleaning	1,403	1,467	1,481	1,528	1,688	1,791
7216	Dry cleaning plants, except rug cleaning	2,776	2,871	3,004	3,326	3,587	3,646
722	Photographic studios, portrait	1,702	1,875	2,027	2,161	2,132	2,220
723	Beauty shops	5,798	6,126	6,437	7,755	8,108	8,686
724	Barber shops	1,089	1,042	1,018	1,068	1,027	1,051
726	Funeral services and crematories	3,491	3,706	3,936	4,165	4,507	4,919
73	Business services ^{2,3}	(NA)	(NA)	(NA)	128,816	148,252	168,350
731	Advertising	(NA)	(NA)	(NA)	12,086	13,779	16,556
7311	Advertising agencies	(NA)	(NA)	(NA)	8,737	9,860	11,834
734	Services to dwellings and other buildings	(NA)	(NA)	(NA)	9,161	10,199	11,527
736	Personnel supply services	(NA)	(NA)	(NA)	10,845	14,309	16,280
737	Computer and data processing services	(NA)	(NA)	(NA)	22,534	26,108	29,305
7372	Computer programming and other software services	(NA)	(NA)	(NA)	8,295	10,019	11,054
7374	Data processing services	(NA)	(NA)	(NA)	10,283	11,564	12,414
7379	Computer related services, n.e.c. ⁴	(NA)	(NA)	(NA)	3,956	4,525	5,836
7392	Management consulting, and public relations services	(NA)	(NA)	(NA)	24,784	27,834	32,883
7393	Detective agencies and protective services	(NA)	(NA)	(NA)	5,716	6,454	7,434
75	Automotive repair, services, and garages ²	30,547	32,270	33,784	35,745	40,184	45,576
751	Automotive rental and leasing, without drivers ²	8,759	9,455	9,751	10,395	11,721	12,969
7512	Passenger car rental and leasing, without drivers	4,691	5,011	5,290	5,770	6,568	7,369
7513	Truck rental and leasing, without drivers	3,988	4,362	4,383	4,530	5,033	5,455
752	Automobile parking	1,386	1,511	1,592	1,886	2,254	2,291
753	Automotive repair shops	18,077	19,112	20,415	21,714	23,732	27,287
76	Miscellaneous repair services	15,424	16,928	16,032	16,070	17,449	20,278
7622	Radio and television repair shops	1,391	1,540	1,585	1,619	1,821	1,759
78	Motion pictures	12,509	13,692	13,964	14,533	15,585	16,657
783	Motions picture theaters	3,628	3,462	3,610	3,676	3,950	3,750
79	Amusement and recreation services, except motion pictures	20,507	23,515	24,948	27,214	28,742	31,097
793	Bowling alleys and billiard and pool establishments	2,165	2,241	2,308	2,526	2,518	2,517
7996	Amusement parks	1,610	1,744	1,824	2,246	2,325	2,527
	OTHER SERVICES						
80, ex.	Health services, except hospitals ^{2,5}	79,980	95,271	105,830	116,183	130,027	143,959
801	Offices of physicians	38,754	45,625	50,663	56,890	62,386	68,147
802	Offices of dentists	12,639	14,879	16,071	17,084	18,264	19,599
805	Nursing and personal care facilities	13,932	15,944	17,585	18,684	21,262	22,857
8071	Medical laboratories	2,160	2,408	2,820	3,221	3,437	3,844
8072	Dental laboratories	1,129	1,241	1,263	1,325	1,360	1,458
81	Legal services ⁶	25,893	30,644	34,325	39,704	44,912	51,209
891	Engineering, architectural, and surveying services ³	(NA)	(NA)	(NA)	34,011	36,664	40,934
893	Accounting, auditing, and bookkeeping services ³	(NA)	(NA)	(NA)	17,352	19,250	22,620
4722	Arrangement of passenger transportation ³	(NA)	(NA)	(NA)	4,745	5,718	6,908
653	Real estate agents and managers ³	(NA)	(NA)	(NA)	20,817	24,292	29,884
824	Correspondence schools and vocational schools ³	(NA)	(NA)	(NA)	1,940	2,159	2,615

NA Not available. ¹ Standard Industrial Classification, see text, section 13. ² Includes other kinds of businesses, not shown separately. ³ Estimates not benchmarked to censuses. ⁴ N.e.c. means not elsewhere classified. ⁵ Excludes nonemployers. ⁶ Excludes nonemployers and tax-exempt organizations.

Source: U.S. Bureau of the Census, *Current Business Reports*, series BS, 1985 Service Annual Survey.

No. 1381. THE LODGING INDUSTRY, BY TYPE OF ESTABLISHMENT—SUMMARY: 1984 AND 1985

[An economy lodging establishment offers clean, standard-sized, fully-furnished modern rooms at usually \$10.00 to \$20.00 per night below the rate of typical full-service motor hotels. Their customers do not need food facilities, banquet rooms or meeting facilities, indoor recreation areas, or entertainment. An all-suite hotel doesn't have rooms, only suites. A suite differs from a hotel room by several characteristics. Generally, there is a separate bedroom, and guest amenities often include "extras" such as a wet bar or microwave, and in some cases a full kitchen. A resort hotel is a lodging facility providing an environment conducive to leisure and recreation and an ambiance of isolation/destination while providing a full range of leisure oriented amenities. Based on Annual Surveys of Lodging Establishments. Covers approximately 600 full-service, 300 economy, 50 all suite, and 125 resort establishments in 1985.]

ITEM	FULL-SERVICE		ECONOMY		ALL-SUITE		RESORT	
	1984	1985	1984	1985	1984	1985	1984	1985
Room occupancy rate.....	67.9	65.5	63.7	66.7	76.1	69.3	68.4	66.1
Average room rate (dol.).....	52.15	53.81	26.19	29.09	65.04	72.44	69.39	67.82
Sales per available room (dol.).....	20,877	20,118	6,282	7,096	30,062	22,045	23,338	26,959
Payroll and related expenses per available room (dol.).....	7,099	6,433	1,227	1,487	(NA)	6,378	10,408	11,881
Ratio of net income before income tax to sales.....	2.6	.6	12.4	5.7	(NA)	(NA)	9.8	-3.9
Employees ¹ per 100 available rooms.....	56.0	53.2	(NA)	(NA)	(NA)	38.9	(NA)	87.4
Sales per employee ¹ (dol.).....	35,906	35,757	(NA)	(NA)	(NA)	43,134	(NA)	29,759
Composition of market—(percent)								
Business travelers/government officials.....	46.8	44.1	46.5	53.3	(NA)	57.8	6.2	6.0
Tourists.....	24.7	29.6	44.9	39.3	(NA)	26.7	70.9	67.8
Conference participants.....	19.2	18.5	2.5	2.8	(NA)	12.8	22.9	24.1
Percent advanced reservations.....	66.3	68.3	47.2	40.1	(NA)	80.8	83.3	82.6

NA Not available. ¹ Full-time equivalent employees.Source: Laventhal & Horwath, Philadelphia, PA, U.S. *Lodging Industry*, annual; and U.S. *Economy Lodging Industry*, annual.

No. 1382. COMPUTER AND DATA PROCESSING SERVICES—SUMMARY: 1972 TO 1982

[Receipts and payroll in millions of dollars. For establishments with payroll]

ITEM	Total	Computer programming ¹	DATA PROCESSING		Other computer related services	ITEM	Total	Computer programming ¹	DATA PROCESSING		Other computer related services
			Total	Excluding facilities management					Total	Excluding facilities management	
Establishments:											
1972.....	6,016	1,562	3,845	3,598	609	Payroll:		1,324	498	709	629
1977.....	10,264	3,197	5,683	5,300	1,384	1972.....		2,833	957	1,614	1,440
1982.....	20,443	9,427	6,707	6,281	4,308	1977.....		7,843	3,335	3,448	3,155
Receipts:											
1972.....	3,411	971	1,889	1,667	551	Paid employees: ²		127,449	37,657	78,911	71,271
1977.....	7,476	1,992	4,474	4,058	1,010	1972.....		203,852	51,288	135,736	123,541
1982.....	21,810	8,186	10,099	9,406	3,526	1977.....		253,549	126,633	183,422	167,985

¹ Includes other software services. ² For pay period including March 12.Source: U.S. Bureau of the Census, 1972, 1977 and 1982 *Census of Service Industries*, SC-year-A-52.

No. 1383. COMPUTER AND DATA PROCESSING—RECEIPTS BY SOURCE: 1977 AND 1982

[In millions of dollars. For establishments with payroll]

RECEIPT SOURCE	TOTAL		COMPUTER PROGRAMMING ¹		DATA PROCESSING				COMPUTER RELATED SERVICES (n.e.c.) ³			
	1977	1982	1977	1982	1977	1982	Total		Excluding facilities management ²		1977	1982
							1977	1982	1977	1982		
							1977	1982	1977	1982		
Total	7,476	21,810	1,992	8,186	4,474	10,099	4,058	9,406	1,010	3,526		
Programming, systems analysis and design: ¹												
Prepackaged.....	1,984	(1,808)	1,771	(1,515)	192	{78}	185	{70}	(NA)	{14}		
Custom.....		4,582		4,175		377		352		31		
Research and development ⁴	35	69	24	53	10	12	10	11	(NA)	4		
Data processing and preparation.....	3,736	8,631	72	249	3,652	8,371	3,642	8,357		11		
Facilities management.....	445	698	25	34	416	657	18	43	(NA)	6		
Rental or leasing ⁵ of data processing equipment.....	452	1,063	13	131	21	90	21	85	(NA)	842		
Rental, sales, licensing of integrated systems.....		1,708		(1,601)		185		181		22		
Consulting and planning ⁶	568	713	30	{167}	55	{111}	54	{98}	(NA)	435		
Maintenance of equipment.....		2,155		156		20	18	18		1,979		
Other sources.....	255	583	57	205	128	196	127	190	(NA)	181		

NA Not available. ¹ And related software.² Operation of customers' in-house operation. ³ Of hardware. ⁴ Except finance leasing. ⁵ Except programming services.Source: U.S. Bureau of the Census, *Census of Service Industries: 1977*, Subject Series, SC-77-5-9, and *1982 Census of Service Industries, Miscellaneous Subjects*, SC 82-I-5.

Domestic Trade and Services

NO. 1384. SERVICE INDUSTRIES—SUMMARY OF ESTABLISHMENTS WITH PAYROLL, BY STATE: 1982

DIVISION AND STATE	FIRMS SUBJECT TO FEDERAL INCOME TAX									TAX-EXEMPT FIRMS			
	Establishments			Receipts (mil. dol.)									
	Total ¹ (1,000)	Business services	Personal services	Automotive repair ²	Total ¹	Business services	Personal services	Automotive repair ²					
U.S.	1,261.7	215,125	167,749	115,481	426,982	106,866	22,980	30,695	158,625	11,106.1	147,061	61,488	
N.E.:													
ME.....	5.9	614	661	537	1,204	141	71	120	420	37.9	1,133	266	
NH.....	5.5	853	695	498	1,246	234	86	116	457	38.2	990	210	
VT.....	3.2	376	391	261	662	73	38	43	224	23.2	772	144	
MA.....	33.9	6,092	4,861	3,104	13,317	4,071	618	862	5,363	363.3	5,022	2,584	
RI.....	5.4	851	857	544	1,351	310	85	119	514	41.3	811	324	
CT.....	19.6	4,065	2,872	1,577	6,408	1,959	379	437	2,392	170.9	2,495	927	
M.A.:													
NY.....	102.9	21,477	13,073	8,214	43,804	14,745	1,948	2,210	15,777	982.6	11,693	8,277	
N.J.....	45.5	8,059	6,254	4,052	16,349	4,618	802	1,058	6,020	401.4	3,544	1,364	
PA.....	55.0	6,255	6,152	5,996	19,083	4,581	1,038	1,390	7,045	485.9	9,424	3,287	
E.N.C.:													
OH.....	52.1	7,922	8,066	5,039	15,515	3,680	1,096	1,331	6,091	450.8	7,129	2,587	
IN.....	24.4	3,493	3,768	2,577	6,252	1,170	499	622	2,313	187.6	3,622	1,036	
IL.....	57.6	11,453	7,746	5,030	21,396	6,130	1,206	1,501	8,170	547.7	6,934	3,984	
MI.....	43.7	6,390	5,802	3,887	13,448	3,155	839	1,070	5,312	362.8	5,076	1,888	
WI.....	22.8	3,271	3,845	1,925	5,956	1,077	433	472	2,450	190.3	3,222	1,085	
W.N.C.:													
MN.....	20.0	3,578	2,895	1,706	6,472	1,502	426	482	2,535	198.0	3,575	1,747	
IA.....	14.6	1,671	2,544	1,526	3,364	640	250	299	1,209	105.7	2,685	727	
MO.....	25.6	3,974	4,015	2,659	8,160	2,124	505	730	3,078	225.3	3,072	1,217	
ND.....	3.1	382	599	282	811	106	64	75	310	23.4	719	180	
SD.....	3.5	394	540	357	674	75	53	61	234	746	154		
NE.....	8.5	1,174	1,439	944	2,229	496	156	210	603	66.3	1,403	409	
KS.....	12.7	1,798	1,933	1,312	3,064	592	235	267	1,140	92.1	2,171	493	
S.A.:													
DE.....	3.2	569	474	299	850	171	50	90	330	27.4	485	153	
MD.....	22.6	4,255	2,989	1,788	8,583	3,107	447	538	3,404	228.1	2,580	1,411	
DC.....	6.3	1,571	505	403	4,218	1,156	99	123	1,597	88.4	2,008	9,193	
VA.....	27.6	5,023	4,172	2,496	9,177	2,882	553	616	3,675	255.3	3,145	1,652	
WV.....	7.4	723	1,327	630	1,759	201	146	109	633	50.2	1,241	264	
NC.....	27.1	3,739	4,216	2,746	6,268	1,205	539	586	2,371	198.4	3,076	820	
SC.....	13.8	1,817	2,080	1,357	3,301	490	243	276	1,255	105.1	1,383	291	
GA.....	28.2	4,836	3,894	2,825	8,795	2,332	495	766	3,231	242.8	2,659	842	
FL.....	68.7	12,025	8,753	5,757	21,542	4,539	1,095	1,736	8,082	600.7	5,468	1,957	
E.S.C.:													
KY.....	14.7	1,681	2,410	1,355	3,678	579	300	288	1,336	111.9	1,882	527	
TN.....	21.4	3,063	3,311	2,099	6,344	1,504	446	509	2,346	177.3	2,483	719	
AL.....	15.9	2,127	2,694	1,691	4,339	777	291	406	1,606	125.6	1,681	422	
MS.....	9.7	1,082	1,460	984	2,172	333	151	187	782	68.2	1,309	286	
W.S.C.:													
AR.....	10.1	1,189	1,536	1,083	2,177	278	181	221	805	66.6	1,339	298	
LA.....	22.1	3,853	2,344	2,025	7,698	2,075	361	467	2,685	202.3	1,726	495	
OK.....	16.7	2,718	1,980	1,483	5,007	1,102	305	367	1,794	132.9	1,785	509	
TX.....	95.7	16,195	10,946	8,481	32,038	8,159	1,754	2,481	11,442	783.0	7,167	2,594	
Mt.:													
MT.....	5.0	584	604	483	1,006	112	58	95	345	31.6	977	163	
ID.....	5.1	591	682	484	1,088	169	70	97	396	33.5	626	303	
WY.....	3.5	462	369	302	894	178	39	69	280	22.9	538	94	
CO.....	21.7	4,077	2,415	1,944	7,325	1,660	349	548	2,596	191.1	2,239	920	
NM.....	7.4	1,058	988	721	2,408	943	102	157	883	61.2	954	255	
AZ.....	17.3	3,175	2,132	1,507	5,070	1,113	292	395	1,881	147.8	1,591	538	
UT.....	7.9	1,290	743	744	2,173	416	104	224	770	59.8	647	191	
NV.....	6.2	1,052	671	492	6,060	520	149	162	2,112	152.3	453	93	
Pac.:													
WA.....	25.4	3,914	3,321	2,148	7,359	1,673	405	547	2,794	198.1	3,349	1,108	
OR.....	16.3	2,308	1,857	1,375	3,899	686	223	328	1,430	112.3	2,053	551	
CA.....	170.4	31,480	16,868	14,991	67,083	16,387	2,761	4,536	24,569	1,530.9	14,561	7,453	
AK.....	2.6	523	237	184	1,155	248	46	67	434	21.2	558	198	
HI.....	6.1	1,024	663	567	2,660	314	101	249	904	71.1	880	433	

¹ Includes other establishments and receipts, not shown separately.² Includes services and garages.^a For the pay period including March 12.

Source: U.S. Bureau of the Census, 1982 Census of Service Industries, Geographic Area Series, SC82-A-1 to 52.

No. 1385. SERVICE INDUSTRIES—SUMMARY OF ESTABLISHMENTS BY TAX STATUS: 1977 AND 1982

[See *Historical Statistics, Colonial Times to 1970*, series T 391-443 for similar but not comparable data]

KIND OF BUSINESS	ESTABLISHMENTS (1,000)		RECEIPTS OR EXPENSES ¹ (mil. dol.)		ANNUAL PAYROLL (mil. dol.)		PAID EMPLOYEES ² (1,000)	
	1977	1982	1977	1982	1977	1982	1977	1982
Firms subject to Federal income tax	2,755.1	(NA)	248,813	(NA)	81,183	158,625	8,618.9	11,106.1
Hotels, motels, and other lodging places	79.7	69.1	18,755	34,057	5,190	9,289	918.7	1,102.1
Hotels, motor hotels, and motels	51.9	47.6	17,719	32,675	5,027	9,067	884.1	1,076.2
Trailing parks and camps	18.9	15.3	734	1,044	103	151	11.9	15.2
Rooming, boarding, and membership lodgings	(X)	6.3	(X)	338	60	71	12.7	10.8
Personal services³	512.1	(NA)	18,433	(NA)	5,478	7,956	910.4	970.5
Laundry, cleaning, and garment services	75.4	66.2	6,829	9,913	2,288	3,225	361.0	354.5
Photographic studios, portrait	37.1	48.5	1,185	2,027	215	357	29.8	44.0
Beauty and barber shops	264.7	274.9	5,268	7,455	1,816	2,414	316.7	314.2
Shoe repair, shoe shine, etc.	9.6	7.8	239	281	40	55	7.2	7.0
Funeral service, crematories	19.8	18.7	2,827	3,936	639	927	71.8	74.2
Business services	456.2	(NA)	54,500	(NA)	20,652	42,416	2,287.4	3,151.7
Advertising	32.9	41.7	4,983	9,288	1,921	3,392	118.8	145.9
Services to dwellings, other buildings	67.3	91.9	4,597	8,197	2,256	3,899	426.3	540.0
Computer, data processing services	16.1	40.9	7,576	22,217	2,833	7,843	203.9	353.5
Computer prog., other software services	(NA)	(NA)	(NA)	(NA)	957	3,336	51.3	126.6
Data processing services	(NA)	(NA)	(NA)	(NA)	1,614	3,448	135.7	183.4
Computer related services, n.e.c. ⁴	(NA)	(NA)	(NA)	(NA)	262	1,060	16.8	43.5
Management, consulting, public relations	143.8	267.9	8,343	20,106	2,839	6,529	208.8	353.5
Equipment rental, leasing services	29.3	49.2	5,470	11,361	* 1,060	2,305	* 84.6	133.4
Other business services ³	168.9	(NA)	23,898	(NA)	9,918	18,447	1,252.5	1,625.4
Credit reporting, collection agencies	(NA)	(NA)	(NA)	(NA)	539	808	64.2	60.5
Direct mail advertising services	(NA)	(NA)	(NA)	(NA)	276	560	31.5	43.7
Commercial photography, art, graphics	(NA)	(NA)	(NA)	(NA)	2,881	5,692	431.7	608.8
Personnel supply services	(NA)	(NA)	(NA)	(NA)	643	1,579	48.5	64.1
Research and development labs	(NA)	(NA)	(NA)	(NA)	308	643	25.3	35.0
Testing labs and facilities	(NA)	(NA)	(NA)	(NA)	1,598	3,000	279.9	340.5
Detective agencies, protective services	(NA)	(NA)	(NA)	(NA)	400	400	483.2	553.2
Automotive repair, services, garages	200.2	227.6	21,576	33,782	4,456	7,057	483.2	553.2
Automotive rental and leasing, without drivers	12.4	12.5	6,407	9,750	834	1,380	75.5	94.2
Automobile parking	8.9	8.8	1,008	1,592	211	323	33.9	34.9
Automotive repair shops	154.2	179.1	12,770	20,414	3,090	4,906	315.3	364.5
General auto repair	87.0	109.5	5,633	8,924	1,173	1,840	128.3	144.1
Top and body repair	38.8	40.8	3,246	5,398	574	1,439	87.9	103.4
Other auto repair	28.4	28.8	3,891	6,092	1,048	1,627	120.0	117.2
Automotive services, exc. repair	24.7	27.2	1,391	2,026	320	448	57.8	59.5
Miscellaneous repair services	162.9	159.3	11,028	16,032	2,992	4,559	279.1	299.7
Electrical, electronic, repair shops	52.5	35.9	3,581	4,488	1,001	1,350	95.2	87.4
Reupholstery, furniture repair	24.8	21.3	694	826	147	192	120.9	19.8
Other repair shops, related services	85.8	102.0	6,726	10,719	1,833	3,017	181.8	192.5
Amusement, rec. serv., incl. motion pictures	176.8	214.4	21,143	35,320	5,272	8,805	660.3	803.8
Motion picture prod., distribution, services	10.7	15.9	5,412	10,354	1,377	2,451	88.4	127.2
Motion picture theaters	11.8	10.0	2,606	3,610	462	587	112.2	103.5
Producers, orchestras, entertainers	67.7	92.9	2,361	4,319	524	971	50.1	56.8
Bowling alleys, billiards, pool establishments	11.3	8.9	1,768	2,308	490	648	108.1	108.9
Commercial sports, other amusement, recreation services	75.2	85.7	8,997	14,730	2,419	4,168	301.5	407.4
Health services, except hospitals³	443.1	542.6	54,386	101,220	20,952	42,832	1,821.0	2,433.1
Offices of physicians	189.1	234.8	28,756	53,241	11,854	24,576	624.0	822.0
Offices of dentists	99.3	114.4	10,007	16,814	3,044	5,788	284.4	402.5
Medical and dental laboratories	15.7	17.2	2,459	4,245	960	1,620	87.9	103.7
Legal services	167.9	203.0	18,696	36,930	5,217	12,554	392.0	569.4
Selected educational services³	81.8	107.6	1,838	3,228	493	822	61.2	68.5
Correspondence and vocational schools	(NA)	(NA)	(NA)	(NA)	302	508	34.1	38.0
Schools and educational services, n.e.c. ⁴	(NA)	(NA)	(NA)	(NA)	186	309	26.2	30.0
Engineering, architectural, surveying services	75.6	96.3	14,737	35,557	8,292	14,717	373.2	581.5
Accounting, auditing, bookkeeping services	126.1	179.8	7,990	15,950	2,917	5,933	230.9	330.2
Social and other services	270.7	(NA)	5,732	(NA)	1,073	1,884	191.4	242.7
Social services	(NA)	(NA)	(NA)	(NA)	666	1,477	177.4	222.0
Child day care services	(NA)	(NA)	(NA)	(NA)	339	616	87.5	123.1
Firms exempt from Federal income tax	(X)	147.1	(X)	54,522	(X)	23,142	(X)	2,280.1
Hotels, camps, membership lodges	(X)	4.1	(X)	513	(X)	155	(X)	22.8
Research, testing, consulting services	(X)	1.0	(X)	2,612	(X)	1,251	(X)	53.6
Selected amusement, rec., related services	(X)	10.5	(X)	5,107	(X)	2,105	(X)	213.6
Selected health services ³	8.7	10.0	4,784	10,438	2,516	5,197	333.0	476.2
Nursing and personal care facilities	2.3	3.0	2,216	4,752	1,203	2,597	201.8	283.2
Outpatient care facilities	4.2	4.7	1,805	3,957	918	1,657	85.2	108.9
Legal aid societies, similar legal services	1.1	1.3	258	421	153	252	12.4	14.5
Selected educational services	4.1	4.3	702	1,150	315	487	49.4	52.7
Social services	41.0	52.6	8,295	16,455	4,124	7,521	676.5	903.9
Child day care services	10.6	12.7	823	1,494	495	889	102.4	135.3
Selected membership organizations ³	58.1	61.3	8,488	15,093	3,073	5,196	417.3	492.9
Business associations	11.7	12.1	2,308	4,651	822	1,468	68.8	80.2
Civic, social, and fraternal associations	34.1	35.5	3,606	5,557	1,342	2,078	255.9	295.8
Noncommercial educational, scientific, and research organizations	1.9	1.9	1,437	2,733	595	977	47.8	49.9

NA Not available. X Not applicable. ¹ Receipts refer to establishments subject to Federal income tax. Expenses refer to establishments exempt from Federal income tax.² For pay period including March 12. ³ Includes other kinds of businesses, not shown separately. ⁴ N.e.c. means not elsewhere classified. ⁵ Data revised since originally published; revisions not carried to the broader kind-of-business level.Source: U.S. Bureau of the Census, *Census of Service Industries, 1977, Geographic Area Series, vol. II; 1982 Census of Service Industries, Geographic Area Series, series SC82-A-52 and change sheet.*